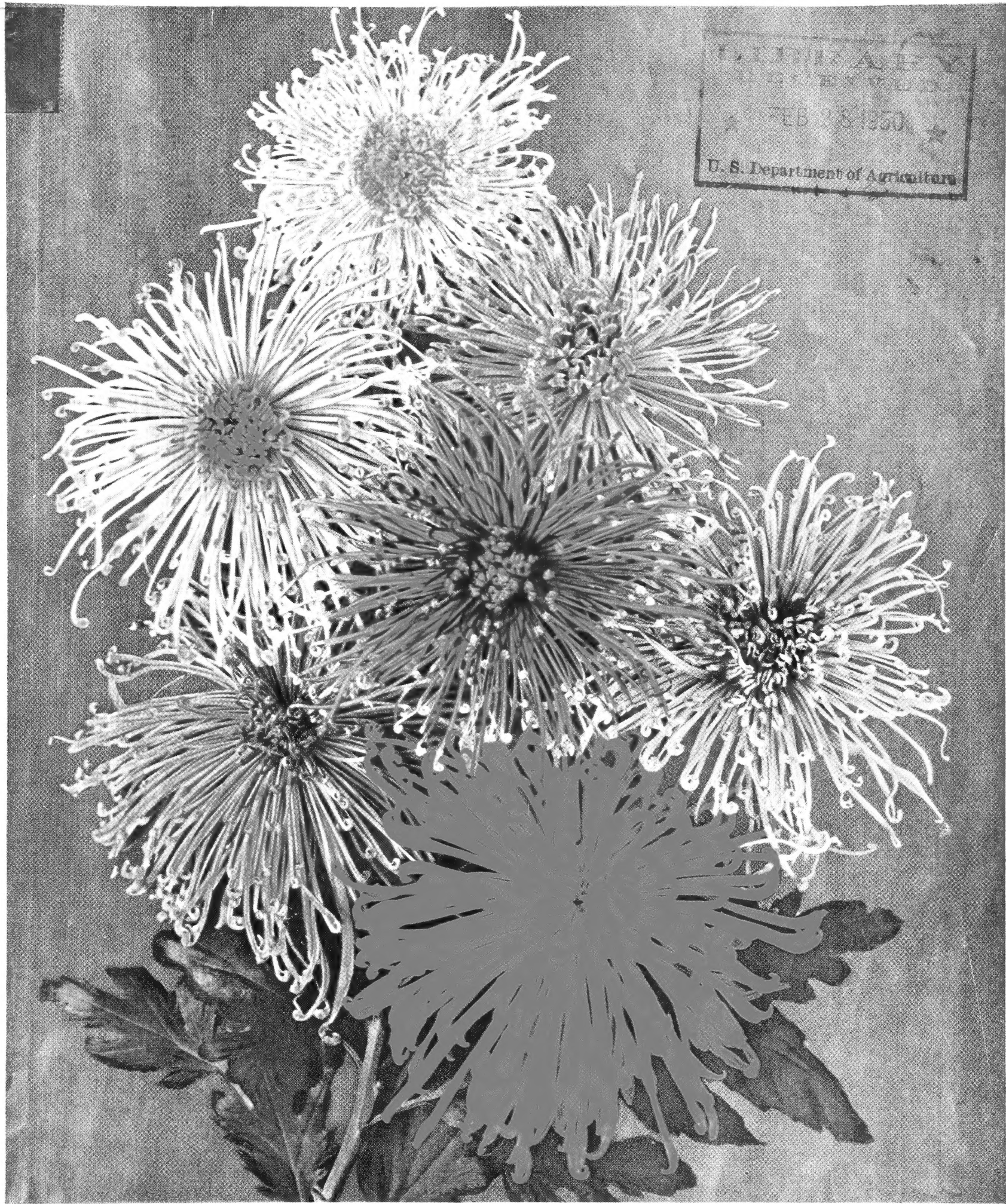


## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.





LIBRARY  
FEB 28 1950  
U. S. Department of Agriculture

Top: Georgina Hedinger. Upper left: Maria. Upper right: Bess Witt. Lower left: Paul Miller. Center: Sarah Morasch. Lower right: Bertha Oliver. Bottom: Melody.

**SUNNYSLOPE**

3918 HUNTINGTON DR.

CHRYSANTHEMUM PLANTS:  
APRIL TO JULY

1950

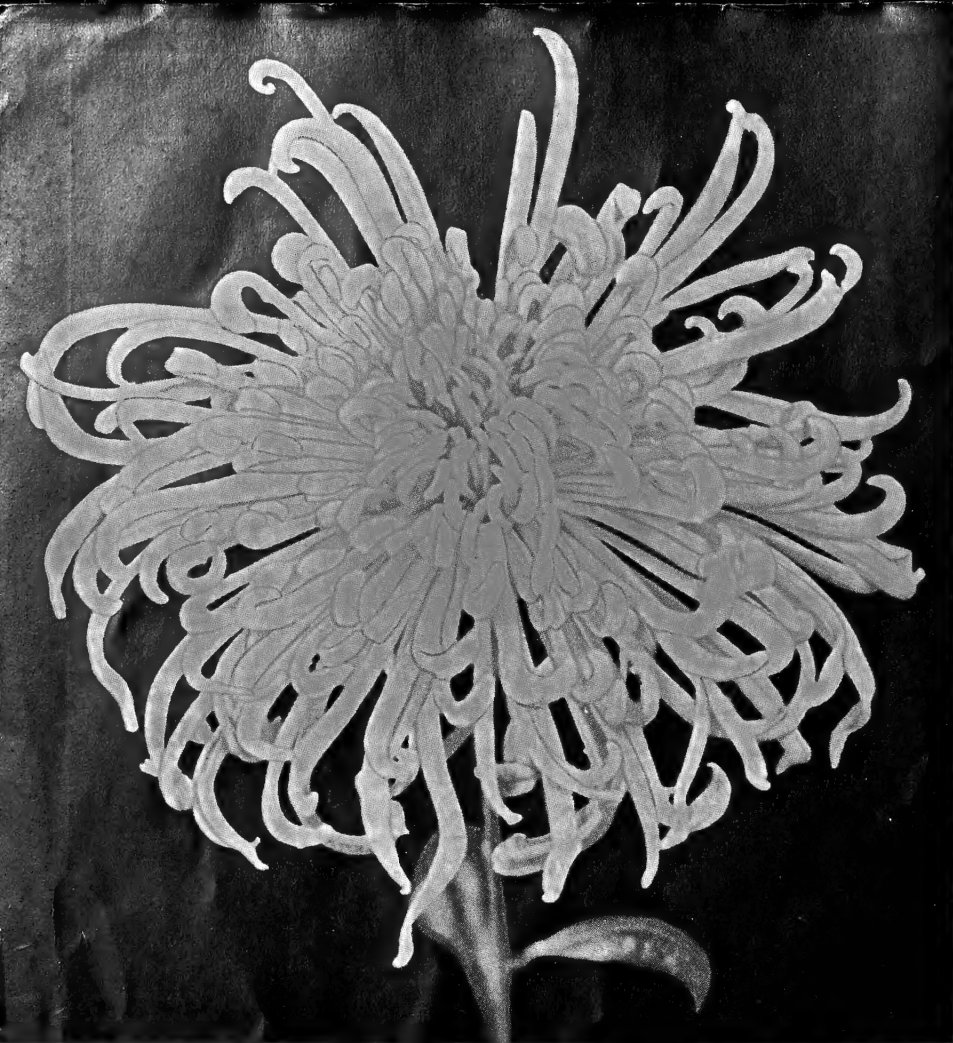
**MUM GARDENS**

SAN GABRIEL, CALIF.

CARNATION PLANTS:  
ALL YEAR AROUND

CATALOG





NIGHTINGALE

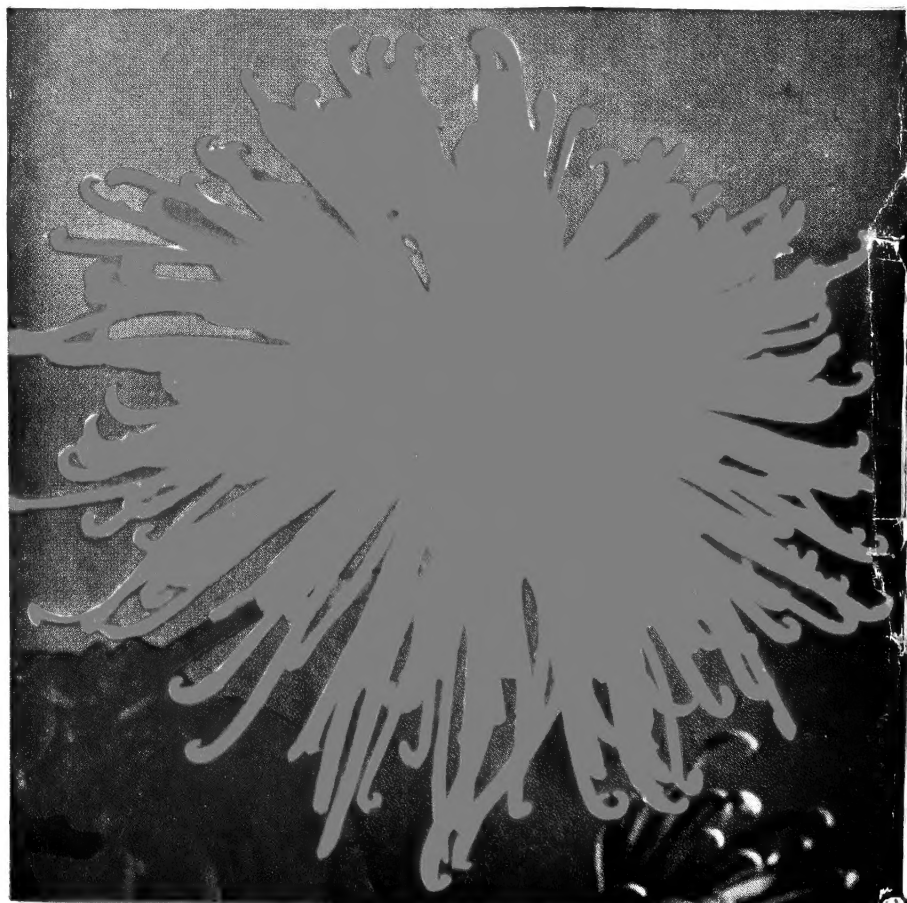


BUNBU

*Colored Pictures are described with prices on their respective pages.*



PALOMA



MAMORU



# TERMS OF SALE

**IMPORTANT!—PLEASE READ CAREFULLY BEFORE ORDERING**  
(This Cancels All Previous Catalogs and Quotations)

**QUOTATIONS:** All prices quoted in this catalog are for **Rooted Cuttings** on Chrysanthemum plants and young established plants in 2-inch **PLANT BANDS** on Carnations which are all F.O.B. San Gabriel, California. Remittance must accompany all mail orders with adequate postage charges included. A combination computation of weight and postage charge schedules for both air and ordinary parcel posts appear below. We also offer Chrysanthemum plants in 2-inch plant bands at 25% above the rooted cutting price. (Exception: Those calling for plants at our gardens will be given plants in plant band without the extra charge.) In addition, we offer larger plants in pots, both carnations and Chrysanthemums, during their respective blooming season at our Gardens at advanced prices. No C.O.D. order is accepted. 3% sales tax must be added to all deliveries made within the State of California.

**ACKNOWLEDGMENT OF ORDERS.** Unless we are able to fill orders immediately, we send acknowledgments within a few days after receipt of order informing our customers when their shipment may be expected. If you do not hear from us within a reasonable time, please write us.

**TIME OF SHIPMENT.** We fill orders for Chrysanthemums from about April 10 through May and June to mid-July. We can fill orders to warmer Southern areas as early as April 1 or little before if we are allowed to make substitutions or back order whatever is not ready.

**Carnation plants are shipped in plant band throughout entire year.**

**ORDERS FILLED.** All orders will receive our special attention. Though we endeavor to fill orders on or near the date specified on the "Order Sheet," we always appreciate early orders giving us a great amount of leeway regarding time of shipment. In case the stock of a certain variety is exhausted, we will substitute varieties as good or better without additional cost unless an order is marked "NO SUBSTITUTION."

**SHIPPING INFORMATION.** Shipping instructions should be indicated on all orders. Rooted Chrysanthemum cuttings are shipped via Parcel Post, Air Parcel Post, Air Express charges collect, or Railway Express transportation charges collect.

OUR EXPERIENCE OF PAST SEASONS CLEARLY INDICATE THAT AIR PARCEL POST IS THE BEST MEDIUM OF CARRIER FOR CHRYSANTHEMUM ROOTED CUTTINGS ESPECIALLY TO DESTINATIONS BEYOND THE POSTAL ZONE NUMBER 4. Parcels shipped to non-airport cities will be forwarded by surface transportation from nearest airport city.

**POSTAGE CHARGE ADJUSTMENT.** Adjustment of overpayment of Air Parcel Post charges will be made either in plants at time of shipment or later in stamps or by check. All underpayment of postage will be billed.

**SPECIAL DELIVERY SERVICE.** To customers in urban communities where this service is available, we stress usage of this, as it would greatly expedite delivery. The rate is 25c up to 2 lbs., 35c to 51 lbs., and 45c to 70 lbs., which must be added to the basic postage.

**SHIPMENT OF BANDED PLANTS.** As previously mentioned, all carnation plants are banded. Each banded plant is computed at 12 ounces. For this reason, Express service is preferred for shipment of

over 15 Carnation plants and banded Chrysanthemums. Carrier charges for Express shipments are sent collect.

**PACKING CHARGE:** OWING TO INCREASED COST OF PACKING MATERIAL AND LABOR, WE ARE COMPELLED TO MAKE A CHARGE OF 25c for packing orders less than \$2.00.

**SHIPPING NOTICE:** Separate shipping notice is sent on the date the order is filled. Air Parcel Post shipment notices are sent by air mail.

**ADJUSTMENTS:** All plants are carefully labeled and securely packed before leaving our Nursery. An invoice accompanies each shipment. If found unsatisfactory upon arrival, please notify us immediately. No adjustment will be made later than 15 days after arrival. When adjustment is made via Air Parcel Post, the actual amount of postage will be charged to the customer.

**NON-GUARANTY.** While we exercise utmost care in executing all orders to keep our stock true to name, we give no warranty, expressed or implied, and cannot guarantee to be in any way responsible for the crop, either to variety or product. Our liability, in all cases, is limited to the purchase price of the plants. All orders are accepted on the above terms and not subject to return.

**COLOR VARIATION:** All color descriptions given in this catalog are somewhat arbitrary. They are observations made here in San Gabriel, California, when the plants were grown under normal conditions and taken during their best period. Undoubtedly, the colors given would be more intense when cultivated in the cooler sections of the country, which is evident when an identical variety is grown in the cool coastal areas only 30 miles away from San Gabriel, while the same variety may become lighter in color when raised in the desert areas of California, Arizona, and parts of Texas, where late summer weather prevails during the Chrysanthemum season. Complete absence of the bronze color from the variety, "Mamoru," and the green color from "Nightingale" is evidence of color bleaching when subjected to prolonged solar heat during the blooming period.

**HEIGHT AND THE BLOOMING DATES:** The height and the blooming dates are also based on observations made at our Gardens in San Gabriel, where a uniform cultural pattern is followed for a number of years. Planting is done between May 15 and June 30 or later in order of blooming period. The plants are all topped when they are about 6 inches high and, if necessary, topped twice. The terminal buds are retained for all early varieties, and mostly any bud being saved after September 1. All this is mentioned because the time of planting largely governs the height of the plant and the selection of buds has direct bearing on the blooming date. Height between 2½ to 4 feet tall if listed as medium; everything above is tall, and below is short.

**CHANGES CAUSED BY NON-DISBUDDING:** Frequently during our Show we are asked, particularly by our new customers, why their flowers are not true to our catalog description or similar to our garden specimen plant. In most instances, the discrepancy is due to non-disbudding. Only by disbudding are we able to grow large size flowers as described in our catalog. Also, the round, perfectly spherical pompons or the prominent cushions centers of the anemone flowered varieties will not be present when grown in sprays.

## AIR PARCEL POST RATES

NUMBER OF ROOTED CUTTINGS	Weight in Pounds	ZONES						
		1-2 Up to 150 Miles	3 150 to 300 Miles	4 300 to 600 Miles	5 600 to 1,000 Miles	6 1,000 to 1,400 Miles	7 1,400 to 1,800 Miles	8 Over 1,800 Miles
1-16	1	.55	.60	.65	.70	.75	.75	.80
17-32	2	.59	.68	.79	.94	1.08	1.20	1.45
33-50	3	.63	.76	.93	1.18	1.41	1.65	2.10
51-70	4	.67	.84	1.07	1.42	1.74	2.10	2.75
71-90	5	.71	.92	1.21	1.66	2.07	2.55	3.40

## PARCEL POST RATES

NUMBER OF ROOTED CUTTINGS	Weight in Pounds	ZONES						
		1-2 Up to 150 Miles	3 150 to 300 Miles	4 300 to 600 Miles	5 600 to 1,000 Miles	6 1,000 to 1,400 Miles	7 1,400 to 1,800 Miles	8 Over 1,800 Miles
1-12	1	.12	.13	.14	.15	.16	.17	.18
13-24	2	.15	.16	.19	.21	.24	.27	.30
25-36	3	.17	.19	.23	.27	.31	.36	.41
37-48	4	.19	.22	.28	.33	.39	.46	.53
49-60	5	.21	.25	.32	.39	.46	.55	.64

Please note that the computation difference in the number of plants exists between Air and Ordinary Parcel Post because we use lighter packing material for Air Parcels. Consult your local Post Office for further information.

# Sunnyslope's Introductions for 1949

**ORANGE BOWL.** This charming early flowering exhibition-commercial flower is a new cross between the varieties "Friendly Rival" (Pistillate parent) and an unnamed seedling, "Number 201" (Staminate parent). A reflexed flower about the size of "Friendly Rival" and the color is a most beautiful shade of warm bronze with an orange overcast. An extra robust grower with luxuriant foliage at all times. A variety we are exceedingly proud to offer as one of our new introductions for 1950. Height—about 4 feet. In full bloom about October 10 from the second crown or the termi-

nal bud. Price \$1.00 each, \$10.00 per dozen. (Full color illustration on back cover.)

**MELODY.** A graceful spidery variety in clear deep yellow, making its first debut in 1950, is an offspring of the notable variety, "Copper Rocket." Has large tubular petals stretching out horizontally, giving a feature of greater size than those that droop. Height is about 4½ feet and the growing habit is splendid. Matures around October 10. Price: \$1.00 each, \$10.00 per dozen. (See illustration on front cover.)

## Spidery (Fuji Mum) Threadlike Varieties

Spidery varieties, as well as all others listed in this catalog, can be grown successfully in any part of the country with little protection if necessary during the blooming period. Early blooming varieties will do very well outdoors. Though the plants may not be hardy in some of the coldest spots, the clumps can be preserved until Spring by Wintering them in cold frames or root cellars. In regions where Winter is not extreme the plants can be left in the ground covered with straw or other protective material.

### PRICE OF ROOTED CUTTINGS

(Unless Quoted Otherwise)

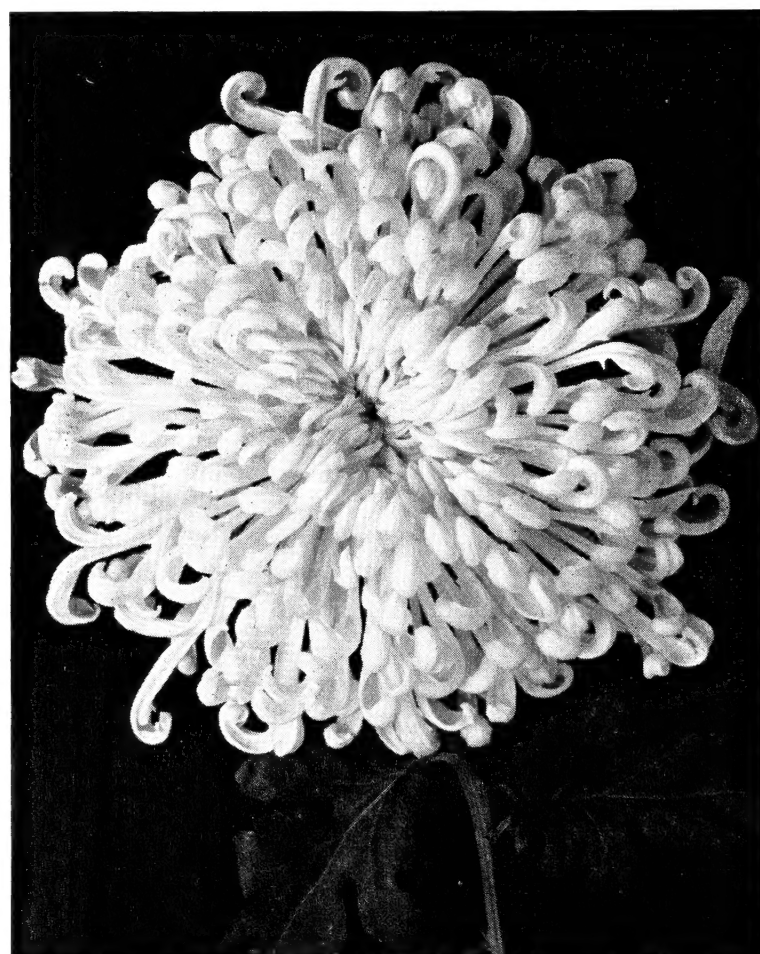
Each .....	\$ .30
3 of One Name .....	.85
6 of One Name .....	1.50
12 of One Name .....	3.00

**AGNES.** The medium quilled petals of this beautiful light orchid pink spidery type flower widen at the tip, curling ribbon-like and showing to good advantage the attenuated barbs on fish-hook ends. Has good foliage and stems. Height tall. Matures November 10. (See illustration on page 5.)

**ALBERT WITT.** Very clear yellow sport of "Bess Witt." Like its parent, this variety has very luxuriant foliage and vigorous growing habit. Height medium. Matures October 10. (Refer to illustration of Bess Witt on front cover.)

**ALICE TASHIMA.** Beautiful spidery variety in white—a full centered flower maturing normally around October 10. Has good stems and foliage. Height medium. (See illustration at right.)

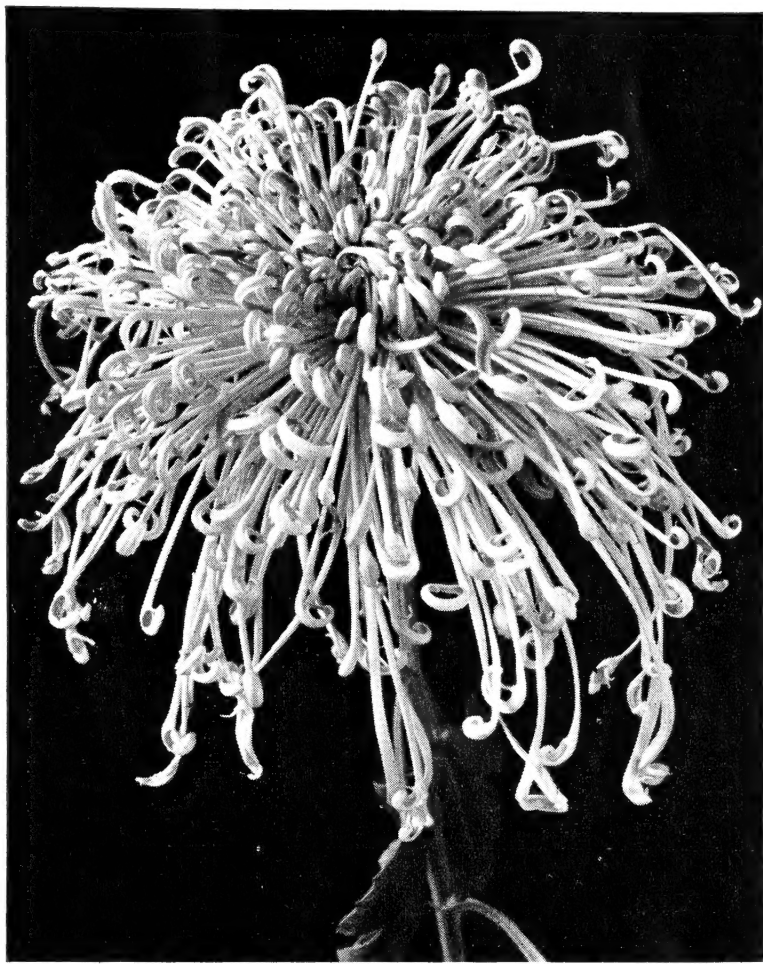
**ARCTIC.** An outstanding spidery variety in pure white. Fully double at the center and the tutulated petals cascade gracefully downward as in the illustration. Height medium. Matures October 15. (See illustration on page 5.)



ALICE TASHIMA

*Varieties listed in this group, which are sometimes referred to as "Fuji" Mums by the commercial growers, have quilled petals of varying sizes, some of which are long and cord-like, while a great majority have opening of spoon shape at the tip, either fishhooked or plain. These petals either spring out horizontally or droop. Many of these flowers may be eccentric in form, but they are all very graceful. Descriptions were taken from flowers which were disbudded to one bloom per stem with four to six flowers to a plant. The terminal buds were preferred.*





**AGNES**

**BERTHA OLIVER.** The bold quilled petals of this flower are deep orchid. The fishhook tips open wide, displaying the deep rose color within. Height medium. Blooms October 15. (See full color on front cover.)

**BESS WITT.** A pleasing combination of apricot bronze and salmon pink. Unusually beautiful sport of "Peggy Ann Hoover." The quilled petals extend outward instead of drooping. Height medium. Matures October 10. (See illustration on front cover.)

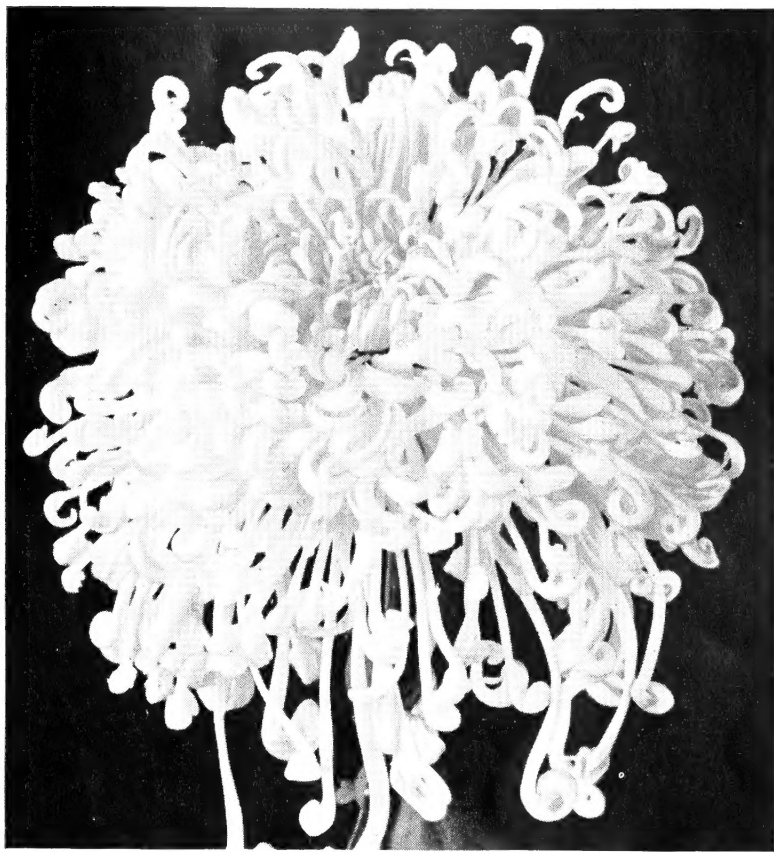
**BLANCA.** A very outstanding and distinctively beautiful spidery flower. Produces exceptionally large snow white flower around November 15. A full double flower with long and graceful petals. Height tall.

**BUNBU.** The bold sized tubulated petal of this lovely flower with hooked tip is orchid lavender. A splendid variety for commercial cut flower—good stems and nice foliage. Height medium. Matures November 1. (Color illustration on page 2.)

**BUTTERFLY.** An excellent bright yellow spidery variety. Medium sized quilled petals, long and graceful. Has lovely green foliage. Height medium. Matures October 25 on. (See illustration on right.)

**CATHAY.** Quilled petals of this lovely flower are beautiful shade of old copper with brilliant spoon tips of red curving slightly inward. The evenly spaced petals expand horizontally instead of drooping. Has thick foliage and good stem. Grows to medium height and matures around November 1. (See illustration on page 6.)

**CELESTIAL BEAUTY.** "The quilled petals are amaranth with the spoon tips opening to a stunning shade of dubonnet . . .", is the color description of this beautiful flower by its disseminator. The flower is exceptionally large. Tall grower reaching maturity around November 15. **Price: 50 cents each, \$5.00 per dozen.**

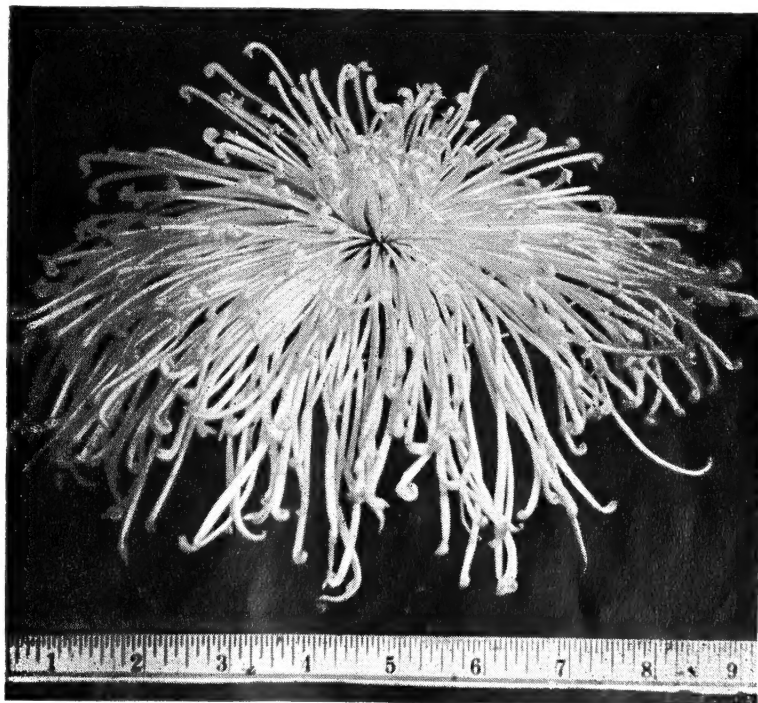


**ARCTIC**

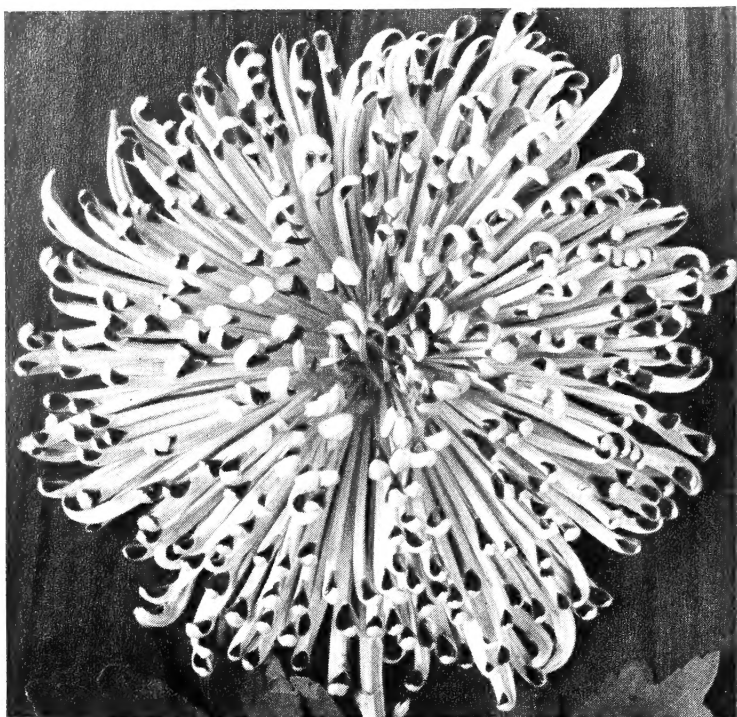
**CHUNGKING.** The tubulated petal of this unique flower is unusual shades of salmon bronze and smoky chocolate lavender combined together. Matches superbly when arranged in bronze colored vases. Tall grower. Matures October 25.

**CHOPSTICK.** The broad spoon tips of this full centered quilled type flower are rich henna-red and the tubulated portion is golden bronze. A very satisfactory variety—in full bloom by November 1 when disbudded. Height medium.

**COPPER ROCKET.** The coppery bronze quilled, cord-like petals of this lovely flower expand outward into a most graceful formation. The flower is of good substance, retaining both its color and shape most lastingly. Has lovely foliage and exceptionally sturdy stem. Rather a tall grower, maturing November 5. **Price: 50 cents each, \$5.00 per dozen.** (See illustration on page 6.)



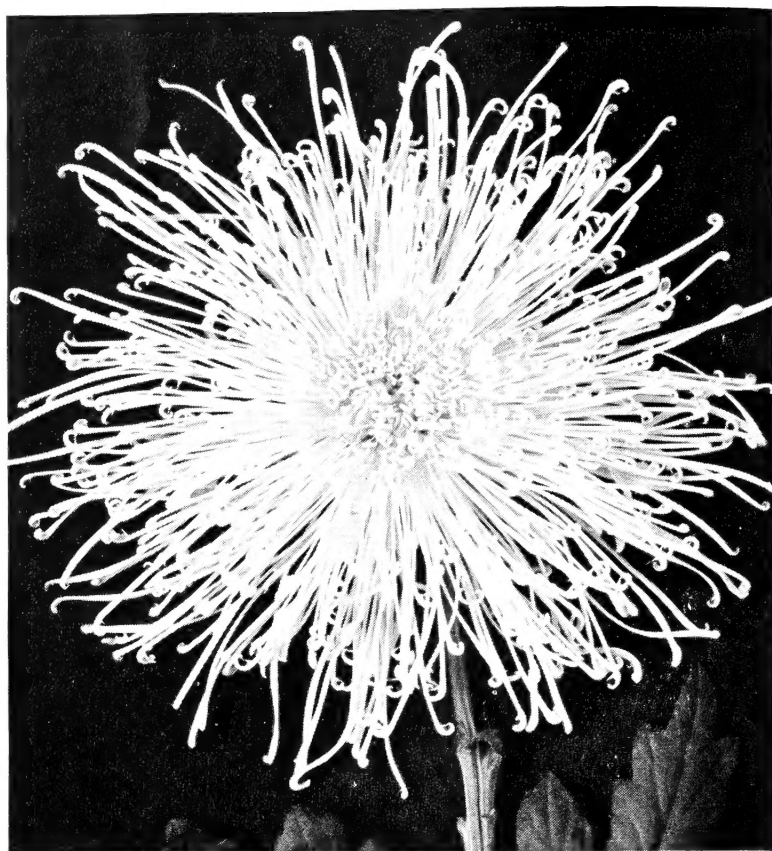
**BUTTERFLY**



**CATHAY**

**DAINTY WHITE.** This flower is very appropriately named. The slender quilled petals of this lovely spidery flower droop gracefully, which are dainty. Grows to medium height. Matures November 1. (See illustration on right.)

**EMERALD ISLE.** As the name suggests, the predominant color of this flower is green, with an undertone of cream, particularly during early stage of its development. After reaching maturity, the color undergoes a change to a beautiful creamy white except for the tips and the center of the flower, where the greenish shade is maintained for the longest time. The slender cord-like petals are very long, as shown in the illustration. Height is medium. Matures around November 1. **Price: \$1.00 each, \$10.00 per dozen.** (See illustration on back cover.)



**DAINTY WHITE**

**GEORGINA HEDINGER.** This full centered spidery flower in pink ranks high among the early flowering varieties. A very graceful and distinctive flower in every respect. Height medium. Reaches maturity about October 1. (See illustration on front cover.)

**ITO PINK.** This is probably the most widely grown pink spidery mum by commercial flower growers, especially in the San Francisco Bay area. Full centered flower with long quilled petals of good substance. Medium pink throughout. Height medium. In full bloom November 1. **Price: 50 cents each, \$5.00 per dozen.**



**COPPER ROCKET**



**JEAN RANGER**



# AIR PARCEL POST

*We recommend Air Parcel Post to all destinations beyond Postal Zone 4 for shipment of Chrysanthemum Rooted Cuttings.*

*Parcels shipped to non-airport city will be forwarded by surface transportation from nearest airport city.*

*Turn to page 3 for rates and other information.*

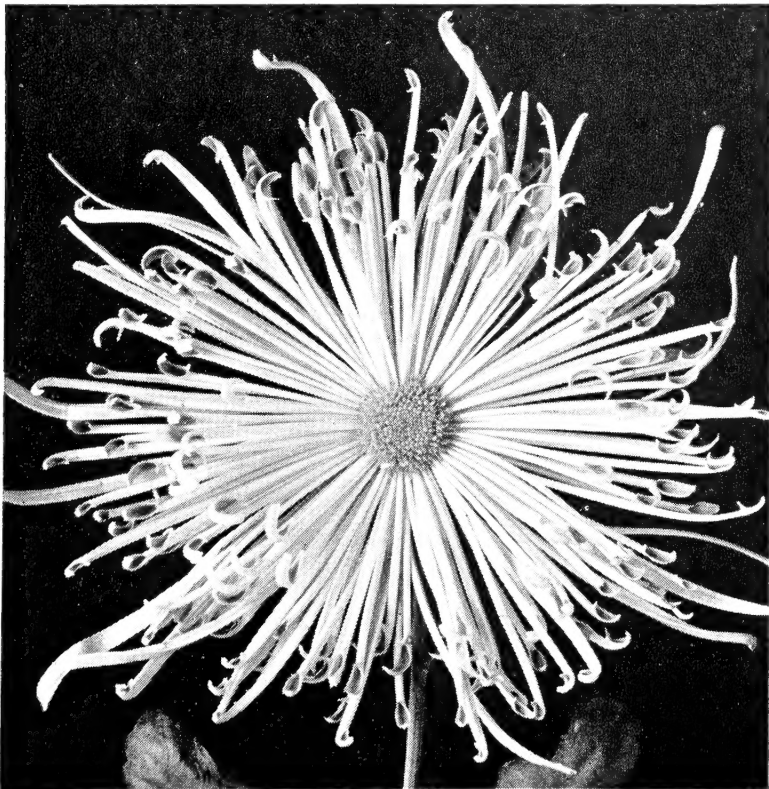
-:-

## EARLY ORDERS

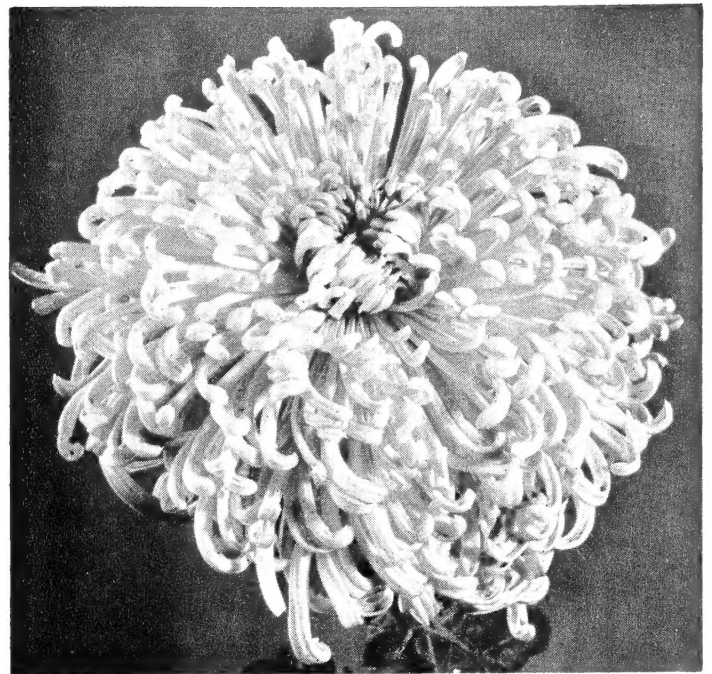
*Place your orders early for prompt shipment. We will do our best to ship your order on or near the date requested.*

**JEAN RANGER.** Shape and color of this flower is similar to "Ito Pink." Also full centered and very large when disbudded properly. Normally matures November 15. Has very stiff stem and broad healthy foliage. Grows relatively tall. **Price: \$1.00 each, \$10.00 per dozen.** (See illustration on page 6.)

**KATHERINE LOUISE.** A very delicate orchid pink flower. Has bold quilled petals which terminate to spoon tips hooking slightly inward, exposing the darker orchid color inside. An unusually



JEAN SQUIRE



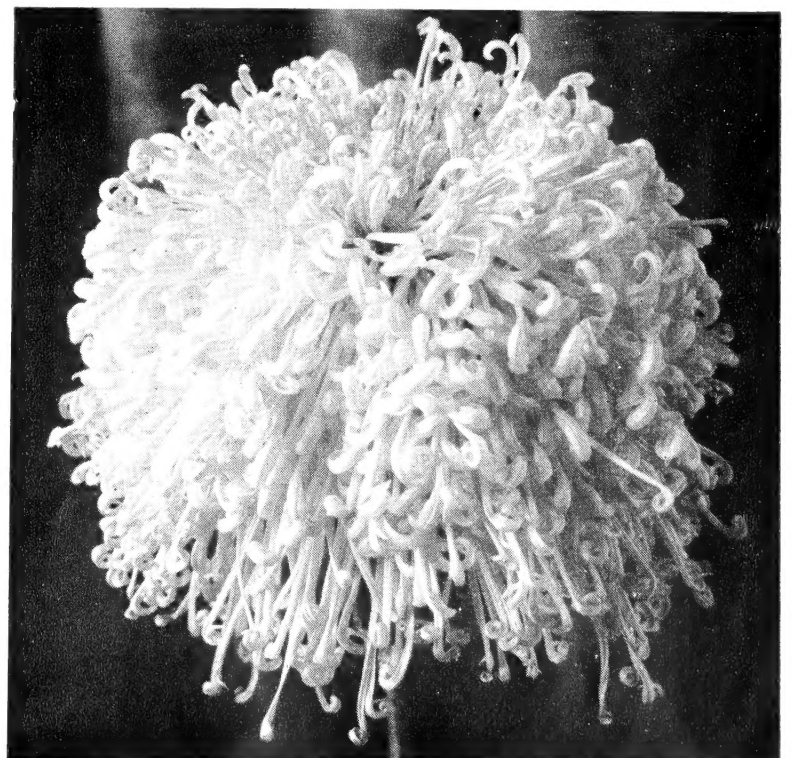
KATHERINE LOUISE

beautiful blossom for late flowering. Matures around November 15. Grows to medium height. (See illustration above.)

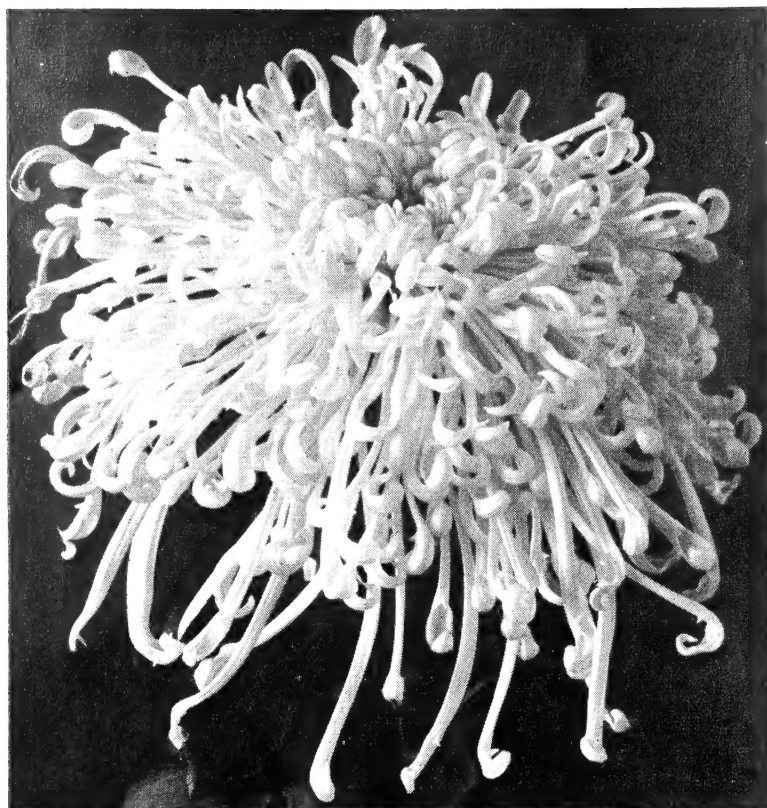
**JEAN SQUIRE.** As in the illustration below, the long tubulated spoon shaped petals of this flower stretch out horizontally from a central yellow button. Lovely shade of rose pink throughout. Dark green foliage and exceptionally strong stem makes this among top commercial variety. Height medium. Matures Nov. 10.

**LAVENDER BEAUTY.** Good size spidery variety of light lavender. Medium sized quilled petals open to fishhook tips curling slightly upward, showing a rich amaranth color inside. Short grower. Matures October 15.

**LORRAINE.** We recommend this variety because we believe this to be by far the most outstanding spidery mum we have introduced to date. Rich yellow throughout. Top award winner at every flower show. Sturdy stem and healthy green foliage are a few of the favorable points of this wonderful variety. A vigorous tall grower. Matures November 1. **Price: 75 cents each, \$7.50 per dozen.** (See illustration below.)



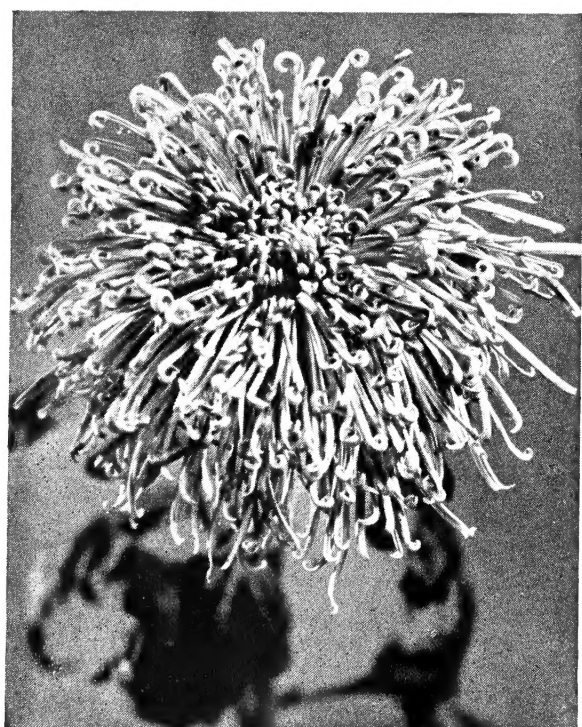
LORRAINE



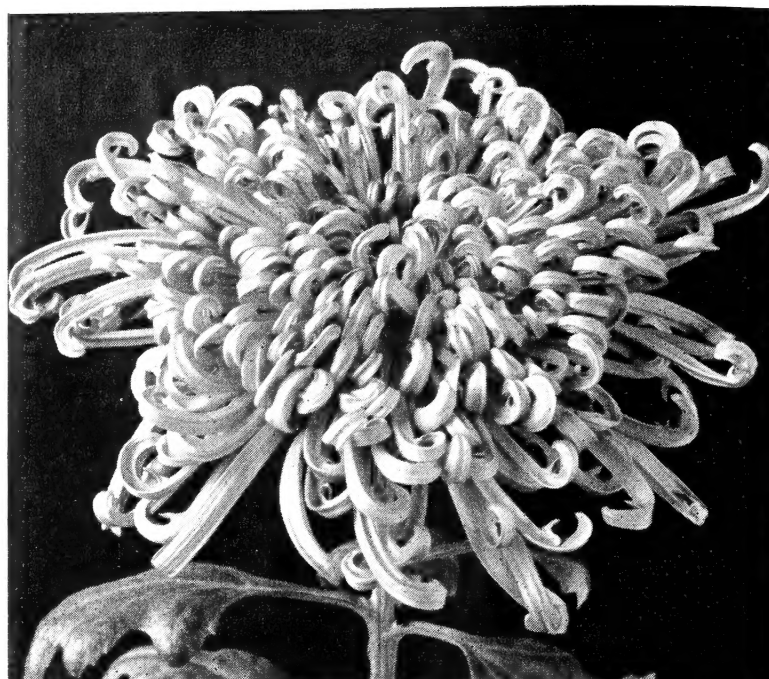
**MARSHA**

**MAMORU.** A dark orange flower shading into deeper bronze toward the center. An excellent cut flower variety, as it keeps remarkably well after being cut and has good sturdy stem as well as lovely foliage. Height medium. Matures around October 20. (See illustration, full color, on page 2.)

**MARIA.** A very satisfactory spidery variety. Predominant creamy white color suffused with faint pink shade when flower first opens and overlaid generally with chartreuse appearing deeper at the tip. Has sturdy stem and good foliage. Besides, this variety is easy to grow. Medium height. Matures October 25. (See color illustration on front cover.)



**MITSUKO**



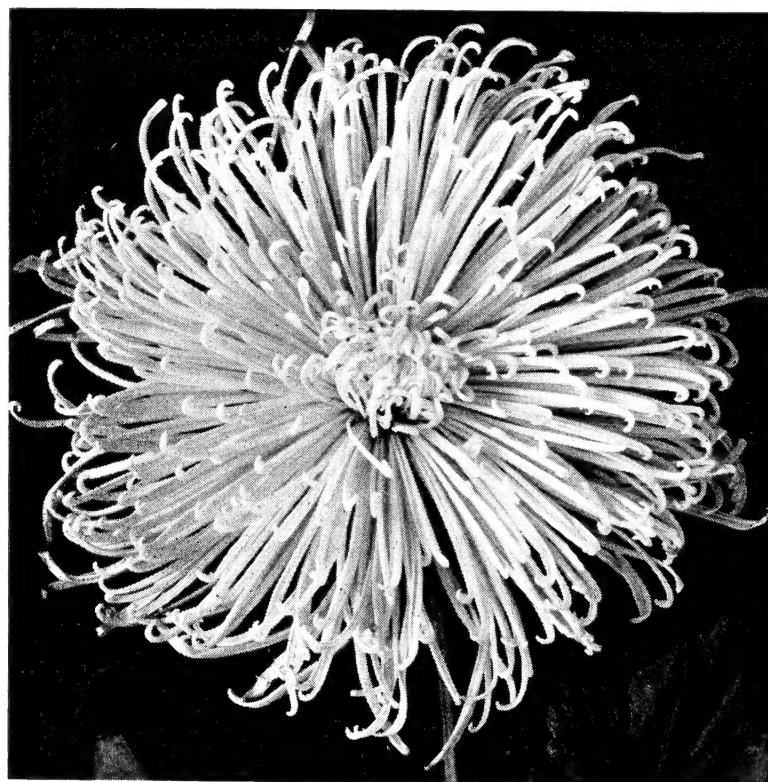
**MRS. STANLEY WALLACE**

**MARSHA.** Popularity of this pure white spidery variety seems to increase each year at our Fall Flower Show. Not only its immensity, which seems to draw attention, but also its distinctive gracefulness, captivate the public. Medium height. Matures November 5. **Price: 50 cents, \$5.00 per dozen.** (See illustration left top.)

**MAUVE.** A unique wine red spidery flower with slender quilled petals cascading very beautifully from a very full center. Height medium. Matures October 15.

**MISS GINA HARWOOD.** This flower is a sport of the well known variety, "Rayonante." The quilled cord-like petals of this beautiful flower are rosy, buff-bronze. Height tall. In full bloom October 15.

**MITSUKO.** A strikingly beautiful large spidery variety maturing around November 10. The quilled petal is a soft lavender pink tipped with marked French-gray. Height medium. (See illustration below left.)



**MRS. V. MOOD**

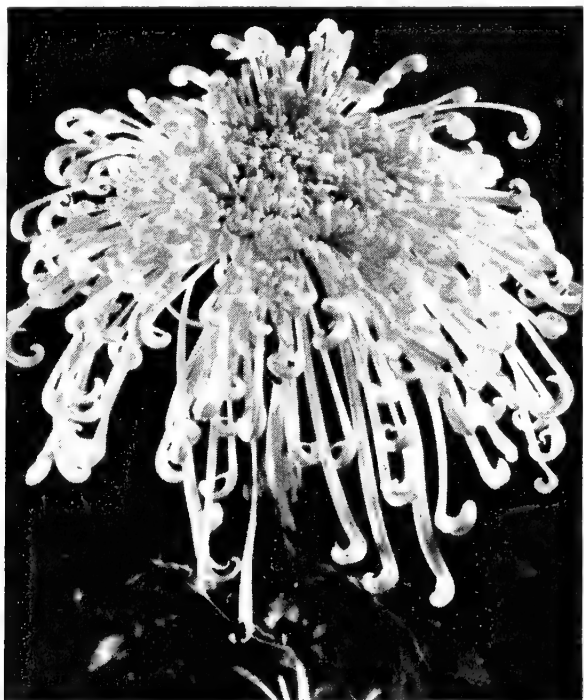




**MRS. JERRY CRAIG**

**MORGAN'S WHITE.** A pure snow white quilled type flower. The yellow button begins to show as it matures. The flower is of solid substance and lasts exceptionally well both on the plant and after cutting. For this reason, very popular with commercial cut flower growers. Grows to medium height and reaches full maturity around October 15.

**MRS. JERRY CRAIG.** A beautiful golden bronze flower of medium quilled petals well curled at tips. A very centered flower. Height, medium. Matures October 15. (See illustration above.)



**OHKWAN**

**MRS. STANLEY WALLACE.** Bold type quilled petals of coppery orange. Flower of solid substance. Has still stem and good clean foliage—qualifications necessary to meet requirements of a successful commercial cut flower. Height medium. In full bloom by October 25. (See illustration on page 8.)

**MRS. V. MOOD.** This lovely flower was introduced by us in 1949. A clear lavender pink throughout, but will become lighter along the edge of the petals when flower reaches full maturity. A full centered flower with slender tubulated petals curving inward at the tip. Since the tips are very pointed, the spoon is hardly noticeable except by close observation. Height medium. Matures November 1. (See illustration on page 8.)

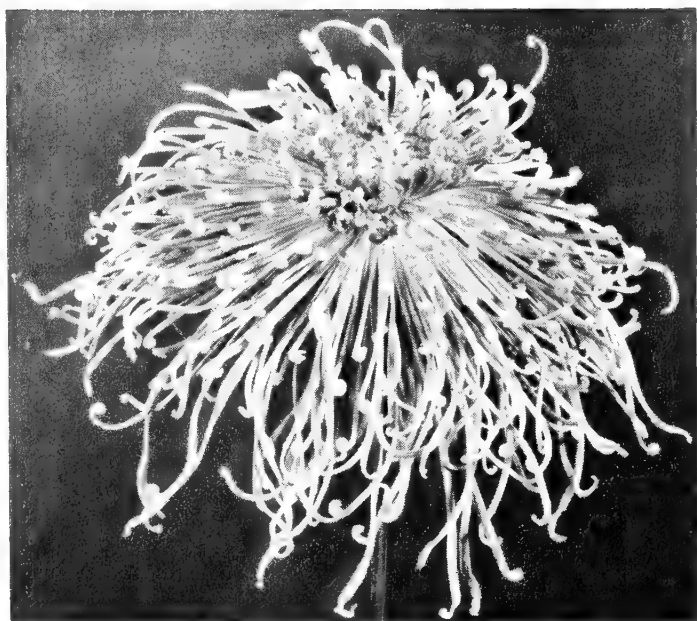
**NIGHTINGALE.** A very unique novelty type Chartreuse chrysanthemum. First introduced by us in 1938 and since then its popularity seems to mount each year. Some years the demand has been so great that we almost depleted our own stock completely, necessitating omission from the following season's catalog. This color, like other soft shades, cannot be maintained long if exposed to intense Indian summer solar heat unless the flower is protected after the bud begins to show color. Will do remarkably well in the cooler areas. Grows to medium height. Matures normally around October 25. **Price: \$1.00 each, \$10.00 per dozen.** (See illustration in color on page 2.)



**PALI**

**OHKWAN.** This lovely full centered spidery flower with slender quilled petals is soft yellow throughout. The fishhooked spoon tips are very well curved. This variety has lovely foliage. Height medium. Matures November 1. (See illustration at left.)

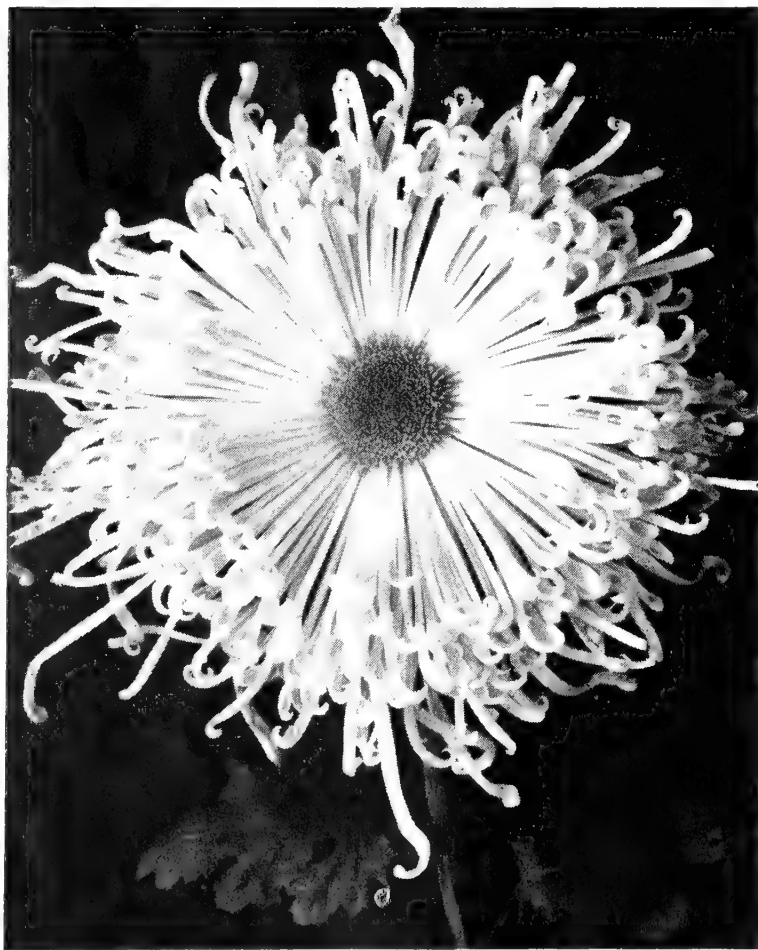
**OJAI.** A large duo-toned orange and bronze flower. Petals very threadlike, cascading from a full center. Height medium. Normally blooms around November 1. **Price: 50 cents each, \$5.00 per dozen.**



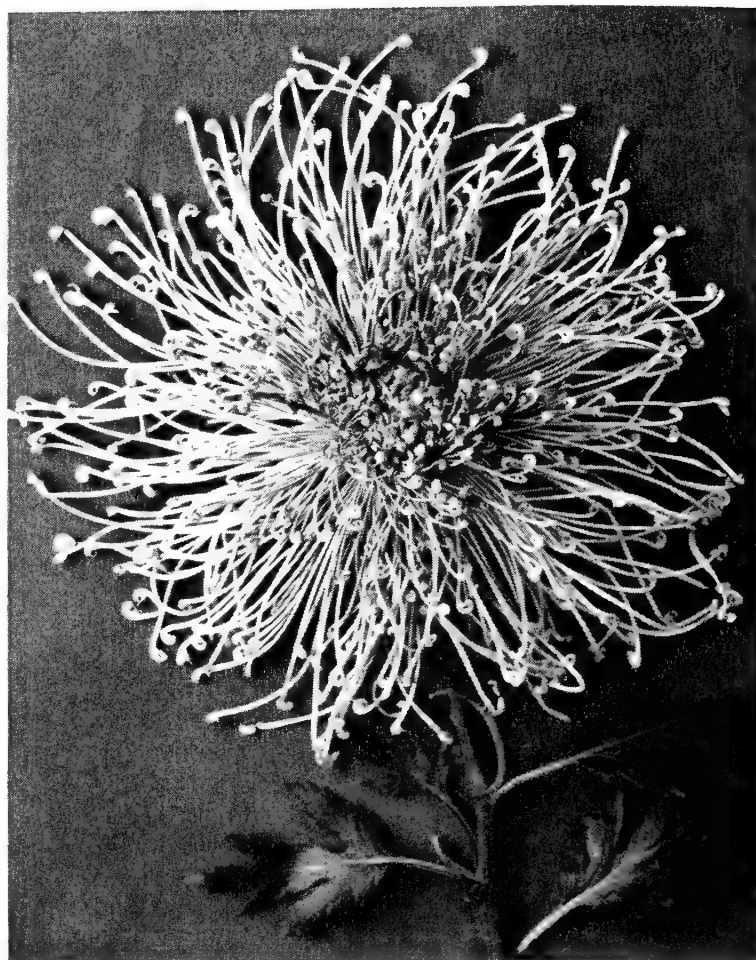
**PATRICIA NELSON**

**ORCHID DELIGHT.** A full centered flower of unusually beautiful shade of orchid pink. The slender tubulated petal is tightly curled at the tip. Normal maturing date November 15. Height medium.

**ORIENTAL KNIGHT.** Perhaps the deepest garnet red quilled type flower grown today. Tips open into spoon shape of various sizes. Some have tiny spoon openings, while others are almost feathery. In full maturity around Thanksgiving, this variety grows to medium height. **Price: 50 cents each, \$5.00 per dozen.**



**PINK FANTASY**

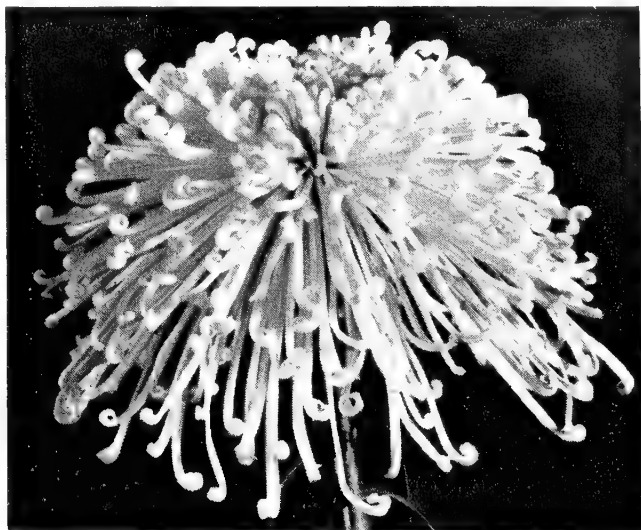


**PUNCH BOWL**

**PALI.** A beautiful pink novelty flower with long, ribbon-like feathery petals falling out from a full center of darker shade. The open, hooked tips curl slightly upward. Tall grower with stiff stems and lovely foliage. Matures around November 1. (See illustration on page 9.)

**PATRICIA NELSON.** This lovely spidery type flower is beautiful two-toned bronze. An immense flower composed of slender tubulated petals which are slightly curled upward at the tip. Height medium. Matures November 1. (See illustration above left.)

**PAUL MILLER.** Most beautiful buff bronze with darker shade of bronze at the center which changes into fascinating coppery tone as the flower opens. Medium height. Reaches maturity October 20. (Illustration in color on front cover.)



**SAN GABRIEL**

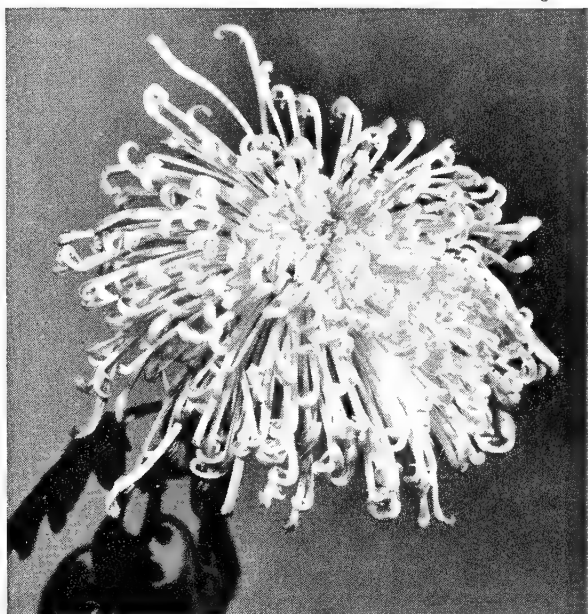


## Chrysanthemums Can Be Grown Anywhere

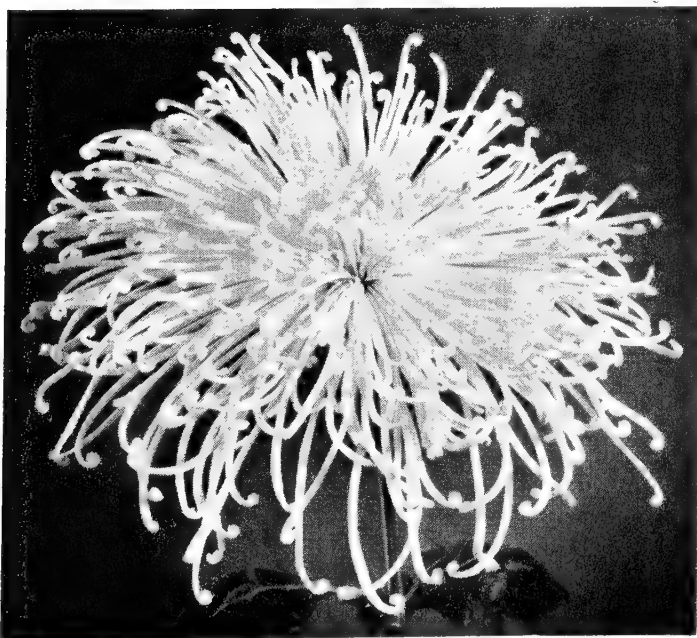
*BEAUTIFUL CHRYSANTHEMUMS are grown throughout the world. You, too, can have these Chrysanthemums in your garden, regardless of where you live.*

*Customers in Northeastern and Eastern States write us of the wonderful success they have had with our Chrysanthemums, though some grew them for the first time. They have been able to grow not only hardies, but also Commercial-exhibition Pompons, as well as the exotic Spidery types. Blooms of some of the Spidery varieties even stand the freezing weather with little protection.*

*Our Southern States customers are pleased with the prize-winning blooms they have been able to produce there.*



**SUE SALLY JONES**



**SAN MARINO**

**PEGGY ANN HOOVER.** The straight quilled petals of this flower with spoon tips are lovely light pink. Has lovely foliage and sturdy stem. Both "Bess Witt" and "Albert Witt" are sports of this variety. Grows to medium height. Matures October 20.

**PINK FANTASY.** An exceptionally beautiful light pink quilled type flower. As shown in the illustration, the petals radiate from a central yellow button as it matures. Height medium. Flowers October 20 on. (See illustration on page 10.)

**PUNCH BOWL.** A rich burgundy red spidery type with slender quilled petals gently falling away from a full center of deeper shade. The tips are open hooked, and tightly curled. This true spidery variety normally matures around November 1. Medium height. (See illustration on page 10.)

**RAYONANTE.** The long cord-like quilled petals of this full centered flower are lovely light rose. "White Rayonante" and "Miss Gina Harwood" are both sports of this variety. Tall grower. Matures October 15.



**WAIKIKI**

**SAN GABRIEL.** This splendid full centered true spidery flower is deep yellow. The long quilled petals are medium sized and very tightly curled at the tip. One of the earlier types blooming around October 15. Height medium. (See illustration on page 10.)

**SAN MARINO.** A bright yellow spidery variety. Petals are slender quilled. Very full centered. Small spoon tips are curled tightly inward. Matures Thanksgiving. Medium height. (See illustration on left.)

**SARAH MORASCH.** The slender tubulated petals of this spidery variety are a beautiful shade of rose pink. This color changes into a fascinating pink as the flower fully matures. Has stronger stem than its parent, "Punch Bowl," though many traits inherited from parent such as formation of flower, foliage, and petals. (See illustration on front cover.)

**SEIJIN.** This variety was imported from Japan. A very lovely shade of pink provided the Fall weather is cool, but will turn completely white under strong sunlight. Full centered. Bold quilled petals have tips curled inward. Height medium. Matures October 15.

**SILVER LACE.** Petals are lacy and long; flowers very large. Pure white bloom supported on sturdy stem with lovely healthy foliage. Matures October 25 and will grow to medium height.

**SUE SALLY JONES.** Bright yellow full centered flower. Quilled petals stretch out horizontally. Blooms mounted on lovely stem with clean foliage—a very popular cut flower variety. Matures November 10. Height medium. (See illustration on page 11.)

**VIRGINIA.** Another clear yellow variety. The quilled petals with hooked tips radiate horizontally from a central yellow button

very much in the manner of "Pink Fantasy." Grows to medium height, maturing November 10.

**WAIKIKI.** A very full centered large spidery flower. Orange and bronze. Rich golden yellow tips curl inward instead of drooping like the conventional spidery type. Has long stiff stem and good foliage. Tall grower. Matures November 1. **Price: 50 cents each, \$5.00 per dozen.** (See illustration on page 11.)

**WHITE RAYONANTE.** A pure white sport of "Rayonante." Growing habit identical to its parent. Tall grower. Matures October 15.

**YELLOW RAYONANTE.** Another sport of "Rayonante." Also identical to parent except color, which is pure yellow. Matures October 15.

## VISIT SUNNYSLOPE CHRYSANTHEMUM GARDENS

*3018 Huntington Drive, San Gabriel, Calif.*

*Open Every Day in the Year.*

## Odd Varieties and Interesting Forms

### PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ .30
3 of One Name .....	.85
12 of One Name .....	3.00

**DESERT MAID.** This very interesting flower in red and gold has petals which are tubulated at the base and opening almost to a feathery fashion at the tips. Some petals are spoon shaped. A medium height grower which matures around November 1. **Price: 50 cents each, \$5.00 per dozen.**

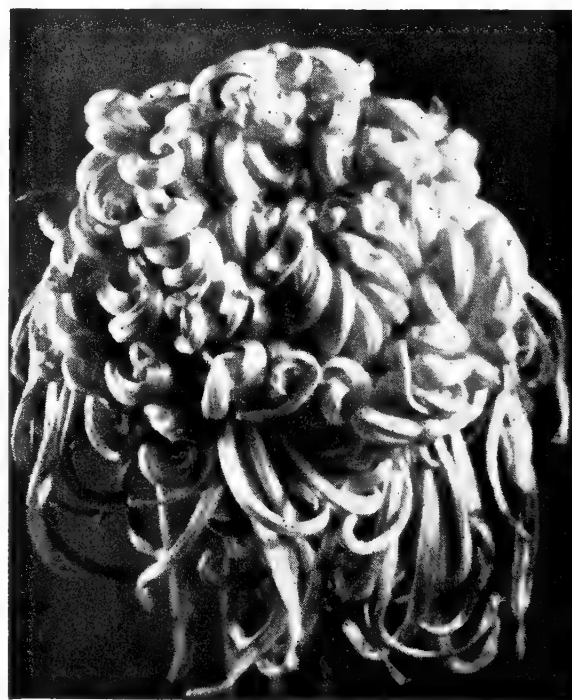
**ENSENADA.** An unusually beautiful flower resembling a double dahlia flower when disbudded. A brilliant Indian red with yellowish tint reverse. Its lasting quality is unsurpassed because this flower becomes all the more attractive after it reaches full maturity when the color mellows gently into a terra-cotta red. Has vigorous growing habit. Height medium to tall. In full bloom around November 1.

**ERNA.** A large flowering semi-double bloom. Deep purple with silver reverse. This variety should be disbudded to about six flowers to a plant for better results. Its growing habit is short and the date of maturity is around October 30. **Price: 50 cents each, \$5.00 per dozen.**

**G. KONNO.** A short growing plant with large salmon bronze flowers. The petals are very broad and thick, closely resembling a large sized dahlia flower. A very attractive pot variety. Matures October 25 on. **Price: 50 cents each, \$5.00 per dozen.**

**JOY.** This fascinating novelty is bright golden yellow. The individual flower measures eight inches or more when disbudded and grown six to eight blooms to a plant. For this reason, this variety makes a wonderful pot specimen for exhibition purposes. Growth short to medium. Matures November 1. **Price: 50 cents each, \$5.00 per dozen.** (See illustration on page 13.)

**KEGON NO TAKI.** A bright yellow flower of very unusual formation. The lower petals are reflexed and the balance incurved



**KEGON NO TAKI**

and twisted as shown in the illustration. In full bloom around November 1. Growing habit tall. Should be disbudded. **Price: 50 cents each, \$5.00 per dozen.** (See illustration above.)

**LAURINDA EARLY.** A semi-double spoon petalled chrysanthemum in pure white. This variety also makes an attractive pot specimen carrying numerous good sized flowers when disbudded. Height is medium. Matures November 1. (See illustration on page 13.)

**LOUIS FRIED.** The silver gray quilled petals of this flower open to a rich amaranth red. These petals surround a smaller disc of yellow button. Lovely blooms disbudded or not. Height is medium. Matures November 15. (See illustration on page 13.)



**JOY**

**MARIBELLE VIBERT.** Glistening white bold quilled petals of this flower open at the tip into wide spoon shape. Though not a full centered flower when reaching maturity, its attractiveness is not hindered by appearance of a yellow center. Growth very healthy and very vigorous, with excellent foliage from the base of each stem. Matures around Thanksgiving. A tall grower. **Price: 50 cents each, \$5.00 per dozen.** (See illustration below right.)

**MIGNONETTE.** A bright yellow spray flower with fine, wavy, threadlike petals. Has much the appearance of a thistle bloom. A distinct departure from the orthodox types of chrysanthemums. Height is medium. Matures around October 25.



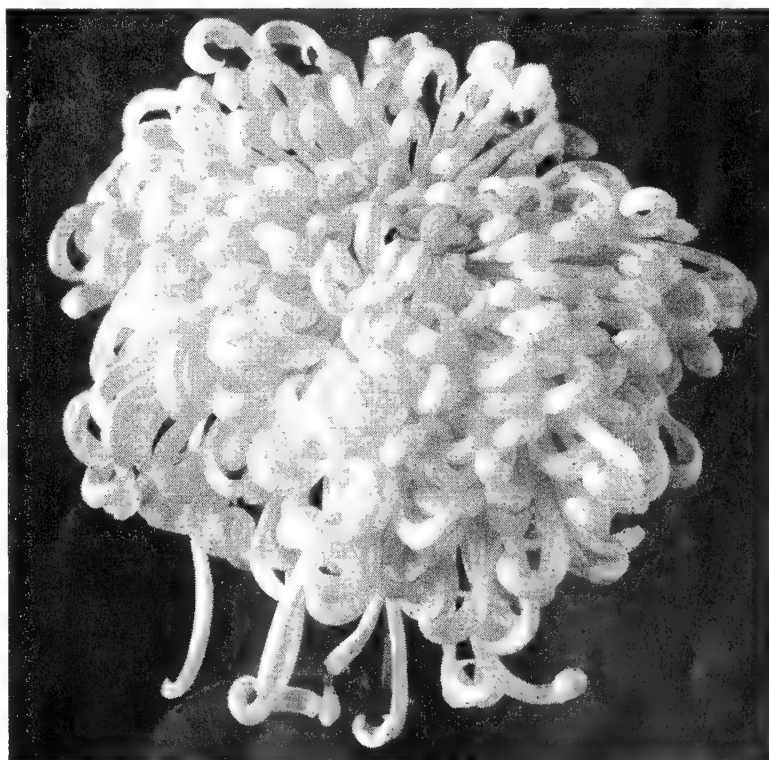
**LOUIS FRIED**

**PINK EXQUISITE.** A suitable name for the flower which is the most exquisite shade of pink. The reflexed petals radiate from the center, which has a unique swirl, as in the illustration. This variety is especially attractive when disbudded. A medium height grower, maturing around November 1. (See illustration on page 14.)

**PURPLE FROST.** A novelty flower of feathery type in purple, tipped with silver white along the edge of each petal. Full centered bloom and reflexed in form. A wonderful clean grower with lovely foliage throughout the year. In full bloom after Thanksgiving. **Price: 50 cents each, \$5.00 per dozen.**



**LAURINDA EARLEY**

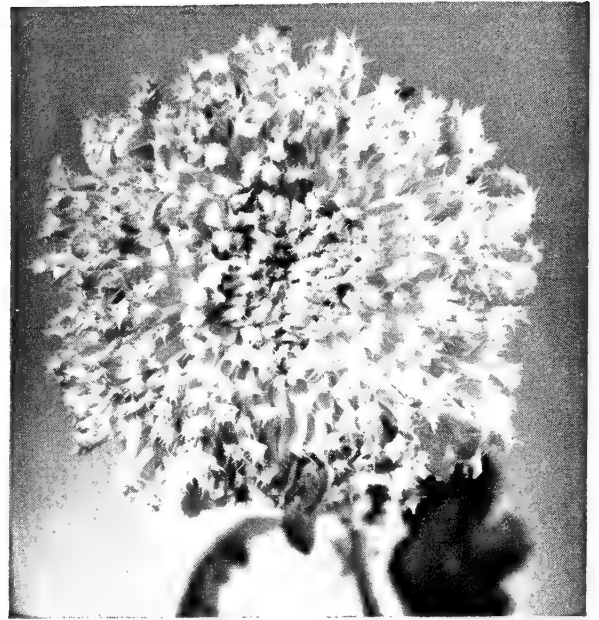


**MARIBELLE VIBERT**





**PINK EXQUISITE**



**THE TAGGARTS**

**REVERIE.** A novel Chrysanthemum composed of spoon-shaped petals and an anemone flowered disc. The open portions of the ray florets are a beautiful orchid pink, while the tubulated section and the disc are of slightly lighter shade. Grows to medium height. Matures normally around November 1. (See below.)

**SHOOTING STAR.** An interesting flower in pure white, as large as any of the exhibition blooms and in full blossom around the early part of November. Has an unique resemblance to a double dahlia flower. Its broad petals come to a point like a star, hence its name. This variety should be disbudded. Grows to medium height.

**STAR OF THE NORTH.** This spray Chrysanthemum is a distinct feathery type in form. Produces beautiful white flowers of unusual beauty. As the flower reaches maturity, the petals turn

and intertwine, and the tips are serrated. Height medium. Matures November 5.

**SUNSPOT.** The quilled petals of this white novel flower open into spoon shape with fishhook tips curling tightly back. Petals radiate outward from a fairly large size yellow disc. Height medium. Matures November 10. (See illustration below.)

**YELLOW TAGGARTS.** An odd flower with quilled petals covered with hairy spines. Better when disbudded. Height is medium and reaches full maturity around November 1. **Price: 50 cents each, \$5.00 per dozen.** (See above.)



**REVERIE**



**SUNSPOT**

# Spoon Chrysanthemums

## PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

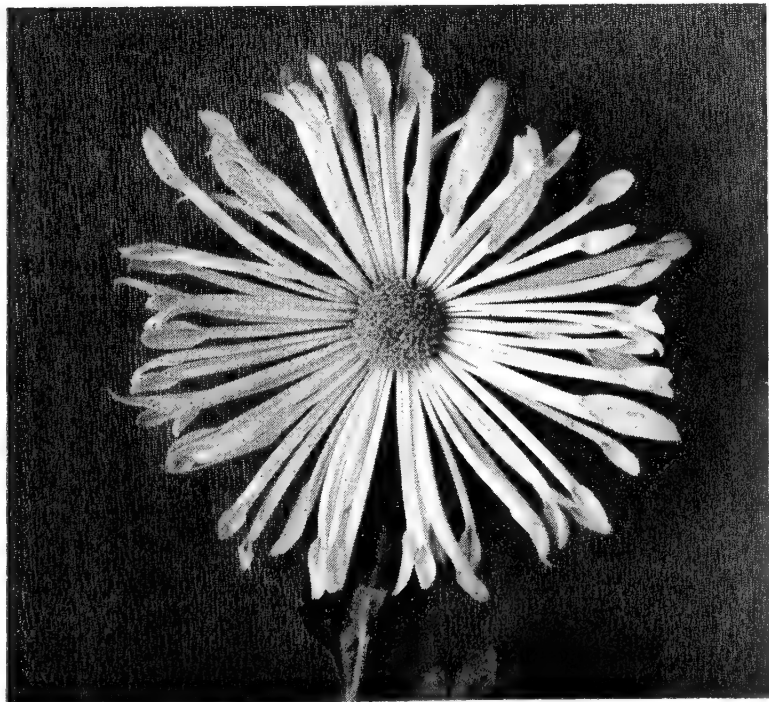
Each .....	\$ .30
3 of One Name.....	.85
12 of One Name.....	3.00

**BRILLIANCE.** "Bright tubular petals opening at the tip to a gleaming grenadine-red . . . ", is the color description of this lovely spoon-type flower by its disseminator. A variety so distinctive that no other variety could be substituted in its place. Should be grown in sprays. Blossoms in great profusion around November 1 on a low compact bush.

**ELIZABETH GORDON.** A burgundy red spoon variety with gold tips at times. This flower undergoes such a change that no definite color description could be given but is beautiful at any stage. Tall grower. Matures around November 5. Should not be disbudded.



**FROLIC**



**SNOW QUEEN**

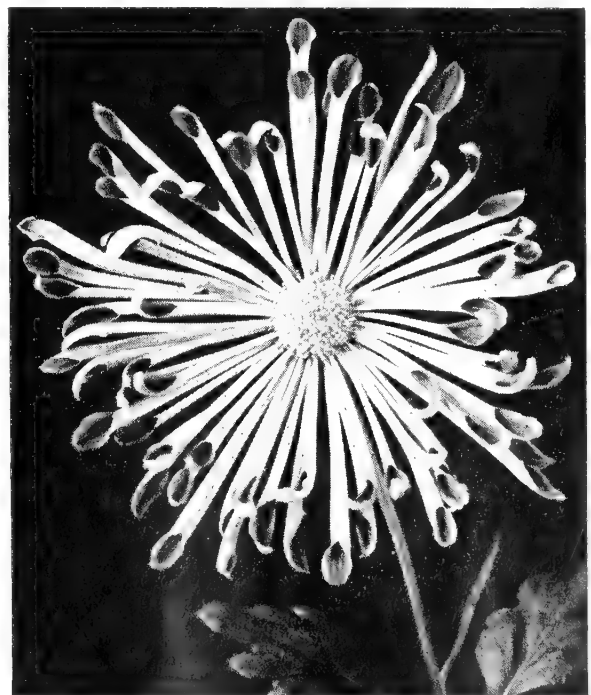


**SCINTILLATION**

**FROLIC.** This bush type spoon mum is rich golden yellow, a shade deeper than "Pauline." A very attractive variety as it blooms in great profusion on a comparatively low bushy plant. Matures around November 1. (See left.)

**JOAN BERGER.** A beautiful orchid pink throughout. Vigorous grower and producer of quality blooms every season without failure. May be disbudded a little for larger flowers. A tall grower, reaching maturity around November 5.

**LUANA PATTON.** A spray type spoon chrysanthemum of the most unique color combination. The quilled portion of the petal is deep reddish-bronze shade and the spoon is bright old gold. Very attractive either in the garden or as cut flower arrangement. Grows rather tall and blooms around November 10.



**YOMEI**

**MRS. ALAN MORPHY.** This semi-double spoon type chrysanthemum resembles our "Scintillation" in formation. This variety produces a wealth of soft shell pink flowers 3½ inches in diameter on a healthy, compact plant about 30 inches high. May be disbudded for larger flowers. Matures October 25.

**MRS. GWEN CHEESEWRIGHT.** This spoon variety has only one row of petals. The quilled section is grayish lavender, whereas the spoons open into a stunning rose pink. A lovely bush variety in full bloom around November 5.

**PAULINE.** Another decidedly single spoon type. A soft yellow throughout. This variety makes a wonderful bush specimen which may also be disbudded for larger flowers. Matures around November 1.

**SCINTILLATION.** A luminous orchid pink spoon type blooming around October 20. The inner rows of petals cup slightly upward as noticed in the illustration. Will produce flowers five to six inches in diameter when disbudded a little. (See illustration on page 15.)

**SNOW QUEEN.** An attractive pure white spoon type. Flower in the illustration is a disbudded one with almost 20 blooms on a plant. Measured six inches from tip to tip. Matures November 1. (See illustration on page 15.)

**WHITE SPOON.** A full centered white spoon variety reaching full blooming stage around October 1. A wealth of flowers around 3 inches in diameter are borne on a healthy bush about 30 inches tall.

**YELLOW SPOON.** Buttercup yellow double spoon variety. Produces abundance of beautiful flowers on well branched sprays. May or may not be disbudded. Reaches full maturity around October 1.

**YOMEL.** Quilled part and reverse side of the petal of this beautiful spoon variety is rich old gold. Spoon tips open to bright red. Very attractive whether grown in sprays or disbudded. Height medium. Matures November 10. (See illustration on page 15.)

## Ichimonji or Horizontal Efflorescent Varieties

These varieties have very large, broad petals resembling single Dahlia flowers, and like most other singles, their colors are very intense and clear. Do not feed them too heavily. They may be grown either into sprays or disbudded. Grows to medium height.

**Price: 75 cents each, \$7.50 per dozen.**

**BUTTERCUP.** Creamy white. Petals slightly cupped upward at edges. Matures November 1.

**GERRY.** Intense bronze with gold reverse. Matures around October 20.

**GOLDEN PRIDE.** A golden yellow. Matures October 30. (See illustration at right.)

**PALOMA.** A lavender. Matures around November 1. See color illustration on inside of front cover.)

**SENSATION.** A purest white. Matures October 10.

**GOLDEN PRIDE**



## Large Flowering Commercial Varieties

### PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name.....	.55
12 of One Name.....	2.00

### BRONZE

**ALAMEDA.** A large compact incurved clear bronze flower of solid substance. Has strong stiff stem carrying good foliage to the base of this lovely flower. Height is medium. Matures around October 5. **Price: 35 cents each, \$3.50 per dozen.**

**APRICOT MAY WALLACE.** A beautiful shade of apricot bronze incurved flower maturing around Thanksgiving. This variety is a sport of "May Wallace," growing to medium height.

**BRONZE FRICK.** An apricot bronze with lighter reverse. A sport of "Miss Helen Frick." This variety, together with its parent, is grown widely by commercial cut flower growers for Thanksgiving and later market. Height medium.

**EMPEROR.** Our introduction in a bronzy-red informal type flower as shown in the illustration. Perhaps the color will be more vibrant, intense red when grown in cooler regions. Matures October 20 and height medium. (See illustration on page 17.)

*In answer to many queries sent in each year requesting differentiation of Commercial and Exhibition large flowering varieties, we admit that there is only a slight difference between the two types. Many varieties in the commercial listing are Exhibition flowers and many Exhibition varieties are also good commercial flowers. The reason for this segregation is that the Commercial Large Flowering varieties must have these specific qualifications: (a) good substance—a flower that will pack well and keep well after being cut; (b) stiff stem—a stem that will support the flower erect when arranged; (c) good foliage—foliage that is healthy and clean; (d) proven satisfactory by a period of actual marketing.*



**HILDA BERGEN.** A beautiful mahogany bronze incurved flower. Has medium sized spherical bloom that rides well on a clean stiff stem with attractive foliage. Height medium. Matures around October 15.

## PINK

**J. W. PRINCE.** An excellent pink commercial variety of good size. Has very stiff stem and luxuriant foliage. Together with our "Orchid Queen," perhaps the most popular variety with the commercial flower raisers in pink. Matures around October 25. Height medium.

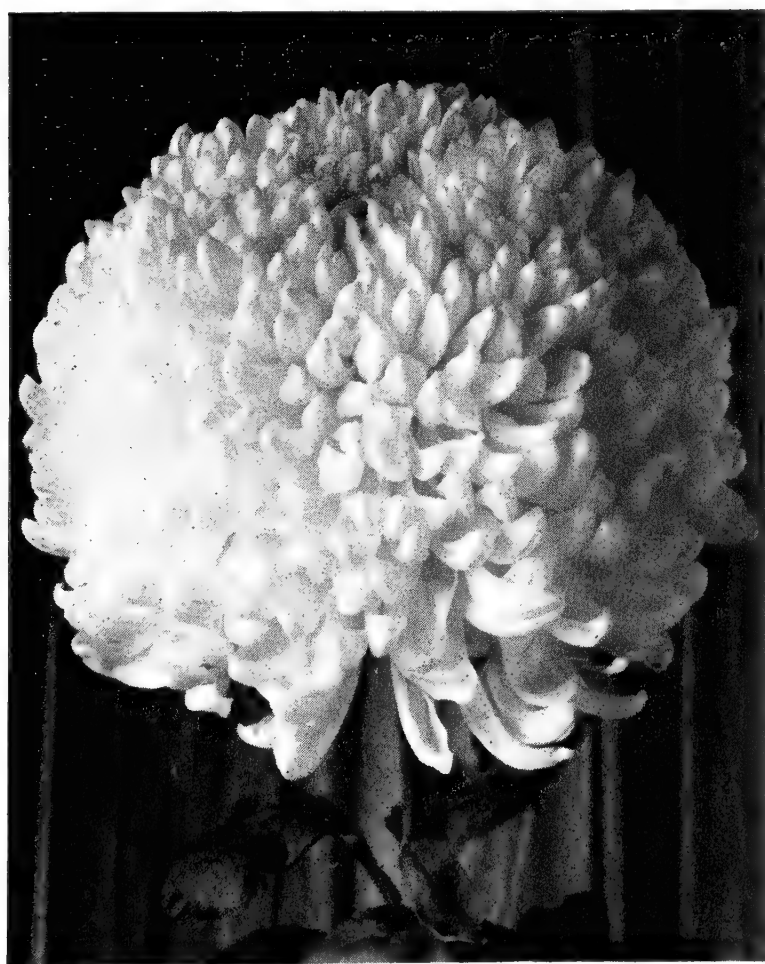
**MAJOR EDW. E. BOWES.** A bright rosy pink. Medium sized, semi-incurved flower, but is very compact. Height medium. Mature October 15 or earlier.

**MAY WALLACE.** Very lovely shade of pink. This compact flower becomes almost spherical when fully matured. Classed as a tall grower. Matures November 15.

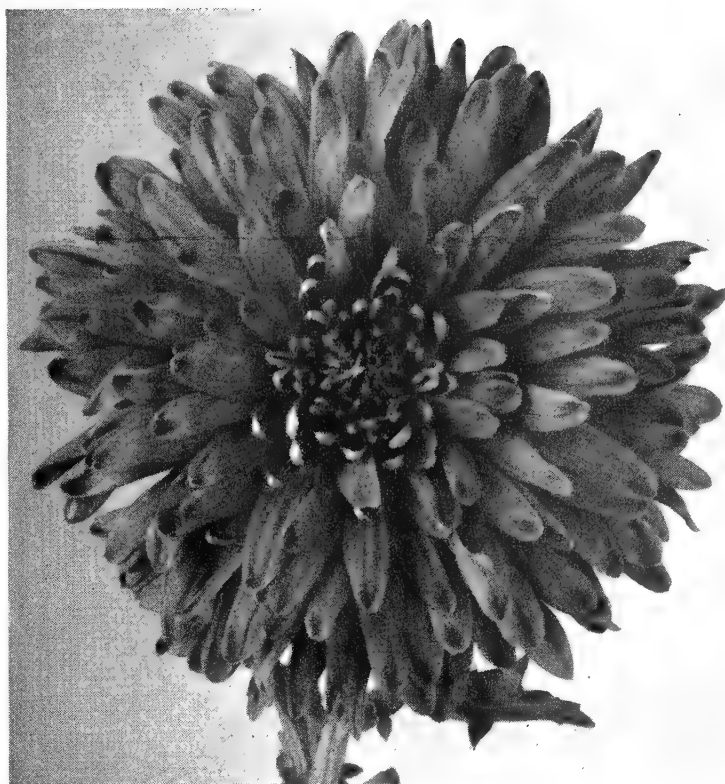
**MISS HELEN FRICK.** A very popular variety for the late cut flower market in orchid pink. This variety produces a large incurved flower on a sturdy stem supported with lovely foliage. A medium height grower. In full bloom around November 20.

**ORCHID QUEEN.** A very large flowering globular incurved variety in lovely shade of orchid pink. Clean grower. Has sturdy stem with good foliage. Classed as tall grower and matures around October 25. **Price: 35 cents each, \$3.50 per dozen.**

**PINK CHIEF.** This variety is popular for early marketing. The flower is medium sized lavender pink. Height medium. Matures around October 15.



INDIANAPOLIS WHITE



EMPEROR

## RED

**BLACK HAWK.** A full centered, reflexed flower similar to "Harvard," except deeper in color and with broad petals. Normal blooming date around October 25 and grows to medium height.

**GARNET KING.** A very popular garnet red flower of reflexed type. Has very broad, healthy foliage. Height mediums. Matures November 5.

**HARVARD.** Another reflexed flower of brilliant dark red. A very popular late flowering variety in deep color. Height medium. Matures November 20.

**MOHAWK CHIEF.** A large semi-incurved flower with good stem and broad healthy foliage. Red with gold reverse. Matures November 20. Height medium.

**MRS. DAVID F. ROY.** This popular variety is deep crimson with gold reverse. A semi-incurved large flower. Reaches maturity around October 20. Height medium. **Price: 25 cents each, \$2.50 per dozen.**

**O. W. BOOTH.** Deep maroon incurved flower with a slight trace of silver on the reverse side. A medium sized flower maturing around November 15. Height medium. **Price: 25 cents each, \$2.50 per dozen.**

## WHITE

**AMBASSADOR.** An extra large full centered incurved variety in white. Has lovely foliage. Height medium. Matures around October 10. **Price: 30 cents each, \$3.00 per dozen.**

**CHRISTINA.** A semi-incurved variety in pure white. A very satisfactory early flowering sort. Matures October 8. Height medium.

**INDIANAPOLIS WHITE.** A pure white variety outstanding in this class. Has perfect stem with dark green foliage. Height medium. Matures October 20. (See illustration on left.)



**PENROD**

**MONUMENT.** Large globular flower of unusual beauty. Has stiff stems and good clean foliage. Height medium. Matures October 25. **Price: 25 cents each, \$2.50 per dozen.**

**QUAKER MAID.** One of the earliest large reflexed whites normally blooming October 1. Height medium.

**SILVER WEDDING.** Snow white reflexed type flower probably too well known for further comment. Height tall. Blooms November 10.

**SMITH EARLY WHITE.** Large early white variety. Reflexed type flower mounted on very stiff stem with good size clean foliage. Medium height grower. In full bloom October 15.

**SNOW WHITE.** Variety being grown satisfactorily for years by commercial growers. Flower is globular and large when matured. Lovely stem and foliage. Height medium. Matures November 1.

**STERLING.** A newcomer in the field of large flowering variety in pure white for Thanksgiving. A perfectly formed incurved flower growing to medium height. Ideal stem and foliage. **Price: 50 cents each, \$5.00 per dozen.**

**SUNNYSLOPE WHITE.** Perfectly formed globular large incurved flower also maturing around Thanksgiving. Height medium. **Price: 25 cents each, \$2.50 per dozen.** (See illustration on page 19.)

**VENUS.** Strikingly beautiful pure white large incurved flower maturing normally October 10. Height medium.

**WHITE CHIEF.** A lovely semi-incurved flower ready for the market around October 15. Height medium.

**WHITE FRICK.** A satiny white large incurved flower reaching maturity around November 20. A sport of "Miss Helen Frick." Height medium.

## **YELLOW**

**BLAZING GOLD.** Rich golden, ball shaped, incurved flower blooming on sturdy stem with luxuriant foliage. An outstanding variety in the early flowering class. Matures October 10. Medium height.

**BUTTERBALL.** Clear lively yellow, incurved flower of very solid substance. Good keeper; rated best commercial yellow cut mum. Flowers around October 1. Height medium.

**CELEBRATION.** Loosely incurved, almost reflexed, very large flowering rich yellow variety. Has sturdy stem and clean, broad foliage. Height medium. In full flower October 25.

**CELESTRA.** Large incurved type flower of good substance in clear yellow maturing normally around October 10. Height medium.

**DAUNTLESS.** A perfectly globular form of medium sized deep golden yellow flower in full bloom. Has exceptionally strong stem with clean foliage. Height medium. Rated one of the best in the late class. Reaches maturity December 10.

**DECEMBER QUEEN.** A medium sized, reflexed, clear yellow flowers for December bloom. Height tall.

**DOLLY DIMPLE.** Reflexed type flower of beautiful soft yellow. Will develop large flower with average care. Height medium. Matures November 20.

**FRIENDLY RIVAL.** Noted for its rich golden yellow color, good size flower, and deep green broad foliage. Very popular with commercial cut flower growers. Height medium. Matures November 1. **Price: 25 cents each, \$2.50 per dozen.**

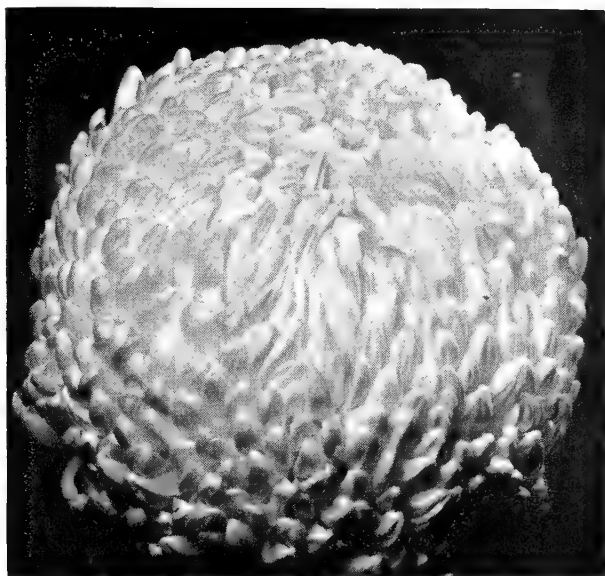
**GOLD LODGE.** An early flowering yellow, reflexed type flower recommended especially for pot specimen with numerous disbudded flowers. Medium sized flower. Height short to medium. In full bloom October 5.

**GOLDEN ARBINI.** Bright deep yellow, fully double flower and gently reflexed in form. Has lovely stem and foliage. Matures October 25. Medium height.



**ORIOLE**





**SUNNYSLOPE WHITE**

**HONEY DEW.** Pleasing soft yellow semi-incurved variety. Widely grown commercial variety for Thanksgiving market and later. Grows to medium height.

**MUTO'S YELLOW.** Clear yellow sport of "Margaret Mohler." Noted for its globular shape and good keeping quality. In full bloom around Thanksgiving. Grows to medium height.

**ORIOLE.** Large bright yellow golden incurved flower. A tall grower requiring rigid support. Matures October 30. (See illustration on page 18.)

**PENROD.** A solid flower of lasting quality. Tightly incurved yellow. Height medium. Matures October 25. (See illustration on page 18.)

**YELLOW AMBASSADOR.** A clear yellow sport of "Ambassador." Famous for its large size. Height medium. Matures October 15. **Price: 30 cents each, \$3.00 per dozen.**

**YELLOW CHIEF.** A sport of "Pink Chief." Habit is identical to its parent except for color, which is a clear yellow. Matures around October 15.

**YELLOW MEFO.** A lemon yellow incurved variety grown profitably by commercial growers throughout the country. Height medium. Matures November 20.

**YELLOW MONUMENT.** A soft yellow sport of "Monument." Identical large bloom of good substance like its parent. In full bloom around November 1. **Price: 25 cents each, \$2.50 per dozen.**

## Large Flowering Exhibition Varieties

### PRICE OF ROOTED CUTTINGS

(Unless Quoted Otherwise)

Each .....	\$ .25
3 of One Name .....	.70
12 of One Name .....	2.50

**APPERT.** A very large flower in strikingly beautiful deep orange. The flower is of good solid substance. Medium height grower. Matures November 1. **Price: 50 cents each, \$5.00 per dozen.**

**ARIEL.** Large globular flower in pure white at maturity, though a slight trace of pink may be seen at first. Has dark green foliage. Reaches maturity November 1. Height medium. **Price: 50 cents each, \$5.00 per dozen.** (See illustration on right.)

**ARMISTICE DAY.** A reflexed type flower. Bright crimson red and gold reverse. Also a satisfactory commercial cut flower. Height medium. Blooms around Armistice Day.

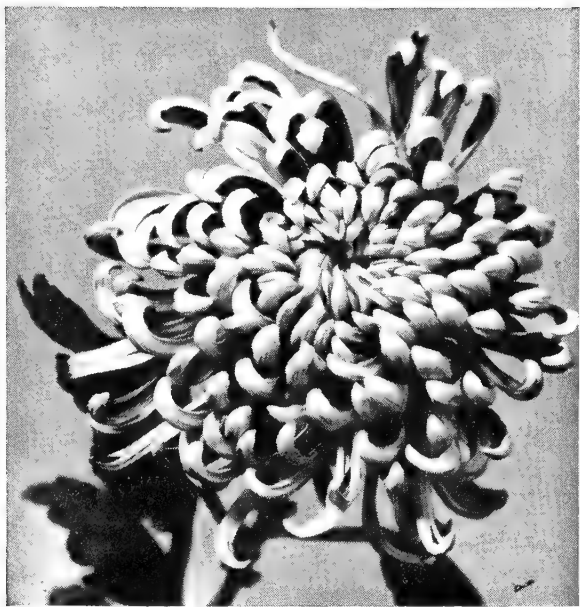
— **BEN LEIGHTON.** We are convinced that this variety is the best early flowering exhibition flower in the dark colored class. Deep wine red with shade of lighter red on the outside of the petals. Large size flower maturing into globular shape when in full bloom. Matures October 15. Medium height. **Price: 35 cents each, \$3.50 per dozen.** (See illustration in full color on page 22.)



**ARIEL**

**BEN TASHIMA.** This splendid flower has tubulated petals of purplish mauve and a deeper purple opening at tips. An extra vigorous grower. Height medium. Matures November 10. (See illustration on page 20.)

Since size is the prime factor in this classification, varieties listed in this group have the largest blooms. Many varieties will grow taller than the regular commercial varieties requiring much heavier staking. They also require wider spacing when planted than other varieties for proper aeration and adequate nutrient requirement.



**BEN TASHIMA**

**BIRMINGHAM.** A dazzling bronzy crimson flower with gold reverse. Outstanding exhibition variety because good red Chrysanthemums are scarce in the incurved class. Medium height. Matures November 5. **Price: 50 cents each, \$5.00 per dozen.**

**CLARA TRUEMAN.** A large flower in beautiful bright red and gold reverse type. Though not a full centered flower at maturity, this variety attracts much attention. A tall grower. Matures October 25.

**CONQUEST.** Perhaps the largest incurved flower in dark bronze. Incurved type with lovely broad green foliage. Tall grower. Matures around October 25. **Price: 35 cents each, \$3.50 per dozen.**

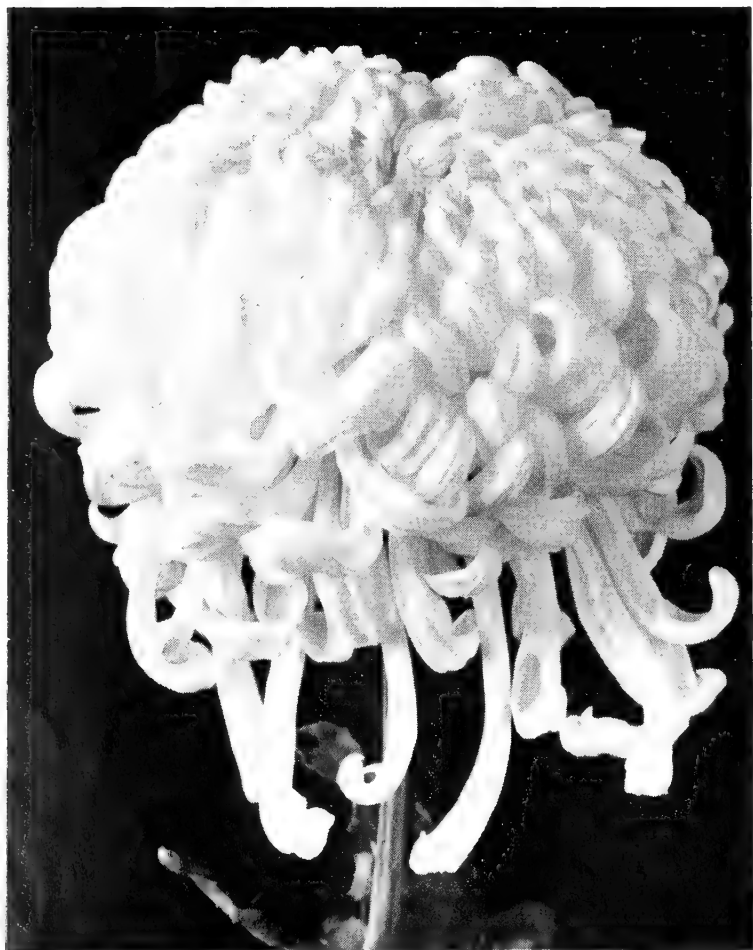


**FERN EDWARDS**

**COUNTRY GENTLEMEN.** This large exhibition flower is a clear yellow sport of "Country Maiden." One who has grown "Country Maiden" will find this sport identical in habit to its noteworthy parent except color. Grows to about 3 feet tall. Matures October 25. **Price: 50 cents each, \$5.00 per dozen.** (See full color illustration on page 21.)

**COUNTRY MAIDEN.** A very compact incurved flower of apricot bronze. Has very broad petals forming a perfectly globular shaped flower at full maturity. Has wonderful foliage and stems. Height about 3 feet. In full flower October 25. (See illustration of "Country Gentleman" for formation.)

**DOROTHY DEE.** A snow white novelty exhibition flower maturing November 5. Develops a well rounded flower partially reflexed as in the illustration. Has good foliage and strong stems. Height medium. **Price: 30 cents each, \$3.00 per dozen.** (Illustration below left.)



**DOROTHY DEE**

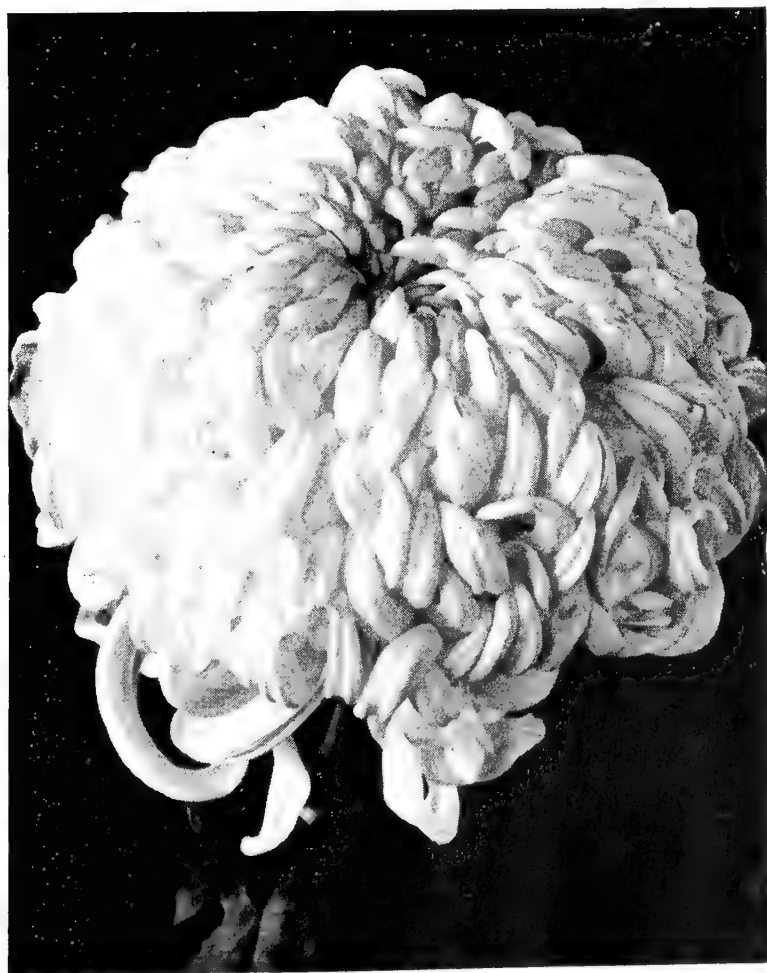


**ELEGANCE**





**COUNTRY GENTLEMAN** (See Page 20)



**LILLIAN FOLTZ** (See Page 26)



**MUTO'S CRIMSON** (See Page 27)



**GWEN PATTON**

**DR. J. M. INGLIS.** A rich wine red flower with silver reverse. Large flower in the incurved class. Tall grower. Matures November 5. **Price: 35 cents each, \$3.50 per dozen.**

**ELEGANCE.** Our 1949 introduction. A novel addition in pure white exhibition flower equal to the "Turners" and "Pockets" in size. Very full centered, therefore retaining of terminal buds is preferred. Height medium. Normally matures November 5. **Price: 35 cents each, \$3.50 per dozen.** (See illustration on page 20.)

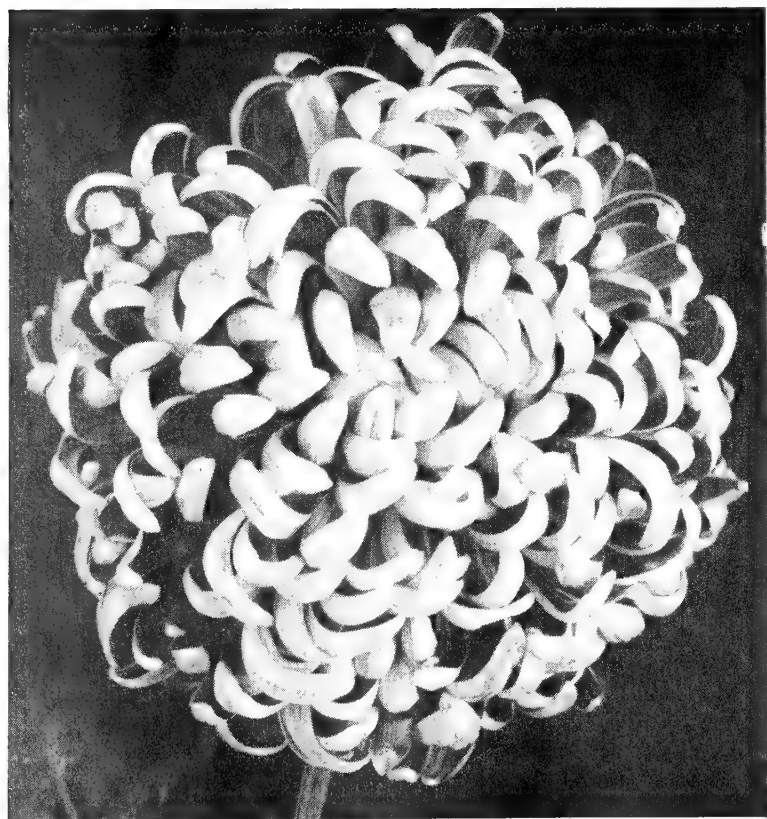


**MASUMI**

**FAUST.** Unique exhibition flower in dragon's blood red with gold reverse. Some will develop flowers that are a beautiful shade of ruff bronze throughout. A reflexed type flower whose growing habit is short. Matures October 30. **Price: 50 cents each, \$5.00 per dozen.**

**FERN EDWARDS.** Beautiful lavender pink—size as large as the "Turners." A very satisfactory, easily cultivated variety. Has healthy broad foliage and strong stem. Grows to height of 4 feet. Matures October 25. Color of Philip Kay but larger and better grower. **Price: 75 cents each, \$7.50 per dozen.** (Illustration on page 20.)

**BEN LEIGHTON** (See Page 19)



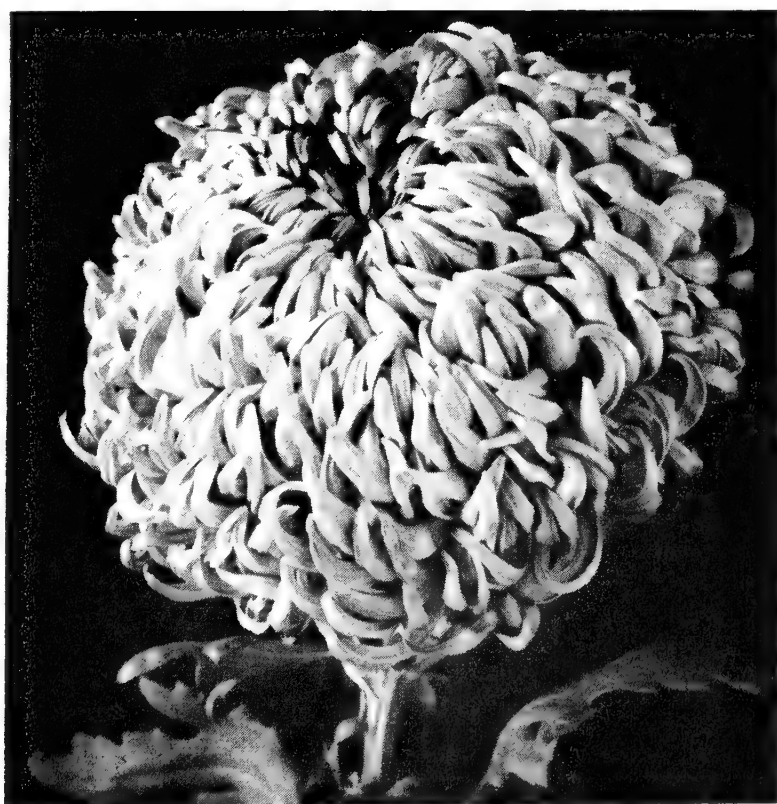
**GRACE STURGIS**



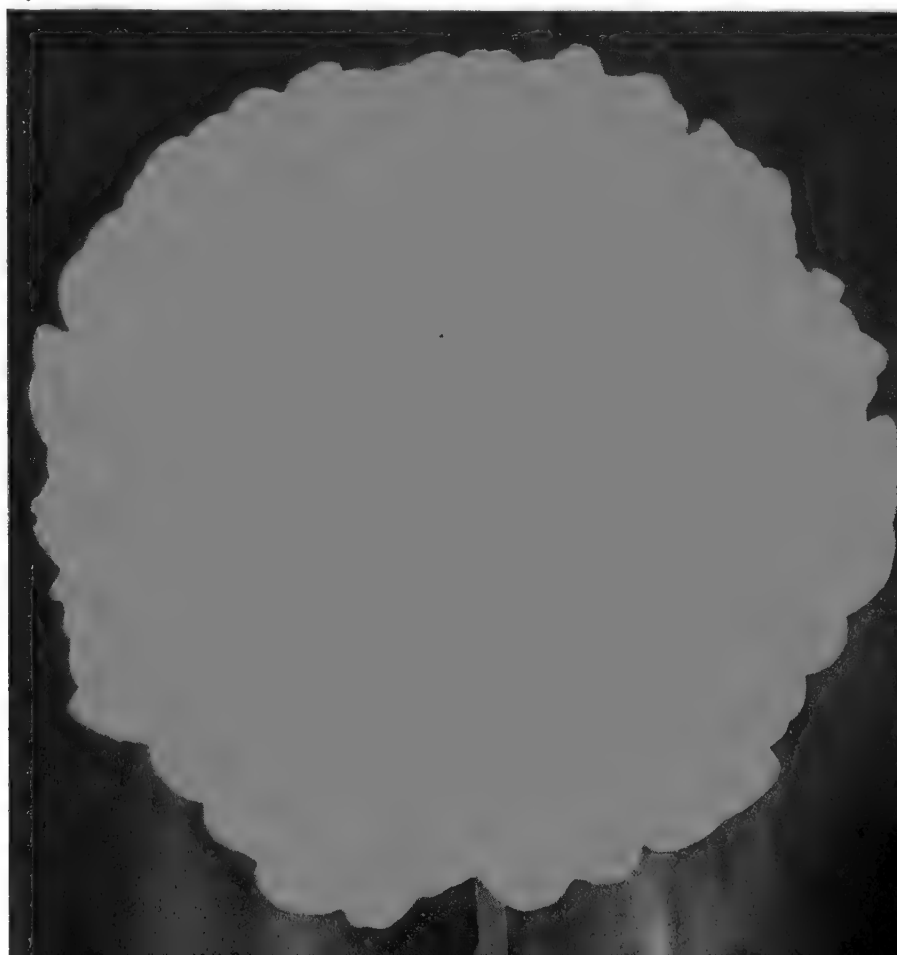


**PHILIP KAY**  
(See Page 27)

**SUNNYSLOPE BRONZE** (See Page 27)



**MISS FRANCES LOWE** (See Page 27)







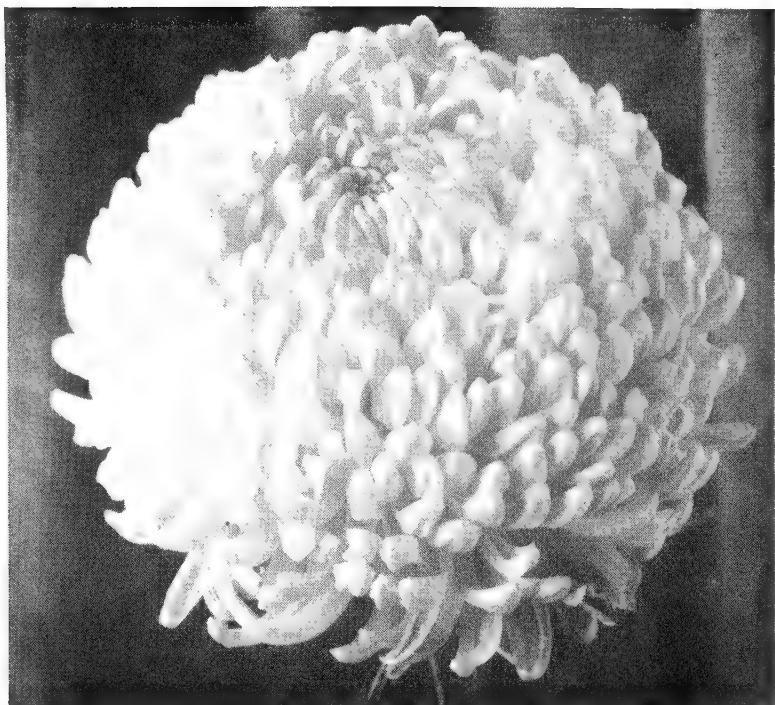
**MRS. RUSSEL COMPTON** (See Page 27)



**WILLA TEMPLIN** (See Page 27)



**STEPHANIE** (See Page 27)



**MARIE MILLER**

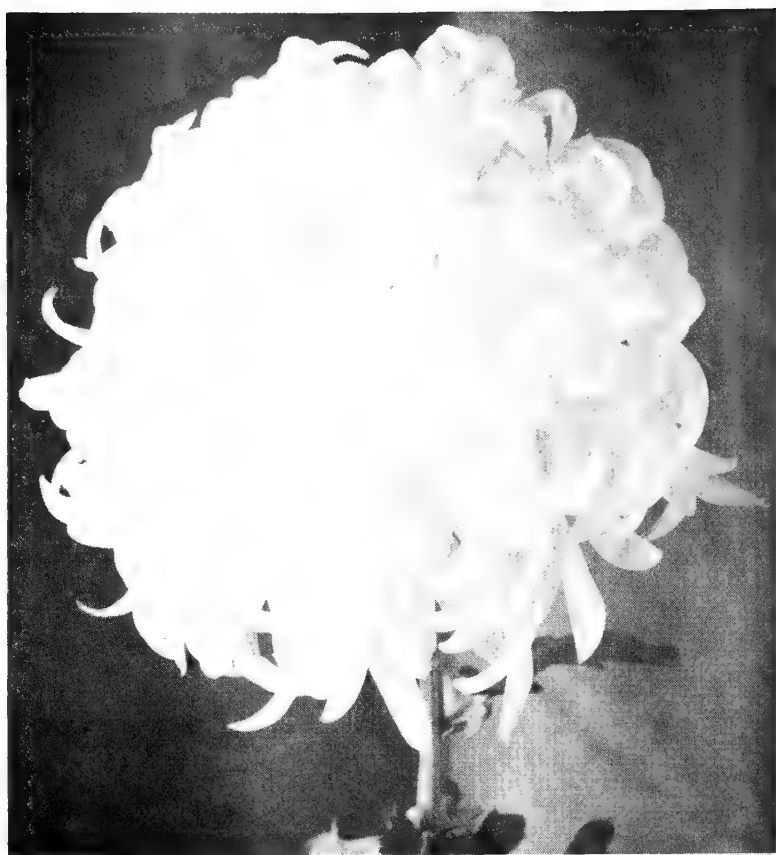
**GOLDEN HARP.** Large deep golden incurved type exhibition flower normally maturing October 15. Has lovely foliage, but strong support is required to hold this large flower upright. Height medium.

**GRACE STURGIS.** A wine red exhibition flower with pinkish silver reverse. Produces lovely large semi-incured flower on stiff stem supported with good green foliage. Height tall. Matures November 1. Has very irregular blooming period, as some will bloom far into December producing quality flowers at all times. **Price: 50 cents each, \$5.00 per dozen.** (Illustration on page 22.)

**GREER GARSON.** A lovely good size soft lavender pink variety. Center has an exotic swirl which is responsible for intriguing interlacing of petals that complete the formation of this beautiful flower. Has luxuriant foliage and strong stems. Height tall. Matures October 25. (See illustration of "Stromness" for formation.)



**MRS. IRENE SHEFFLEY**



**POCKETT VARIETIES**

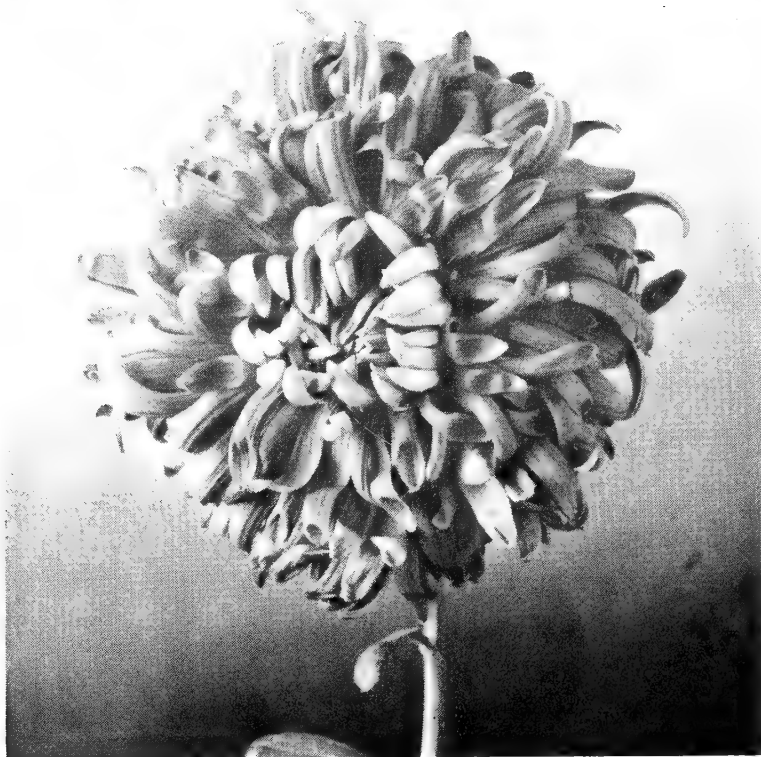
**GWEN PATTON.** A very beautiful pink incurved flower. Full centered and good keeper. Height medium. Matures October 30. (See illustration on page 22.)

**HARVEST MOON.** A bright yellow semi-incurved exhibition flower of enormous size. Very erect stem holds the flower almost without support. Take second crown or terminal bud for best result. Height medium. Matures October 30. **Price: 50 cents each, \$5.00 per dozen.**

**JULIET.** A loosely incurved bronze red flower with soft yellow reverse. Height medium. In full bloom November 1.



**MRS. HARLEY A. SILL**

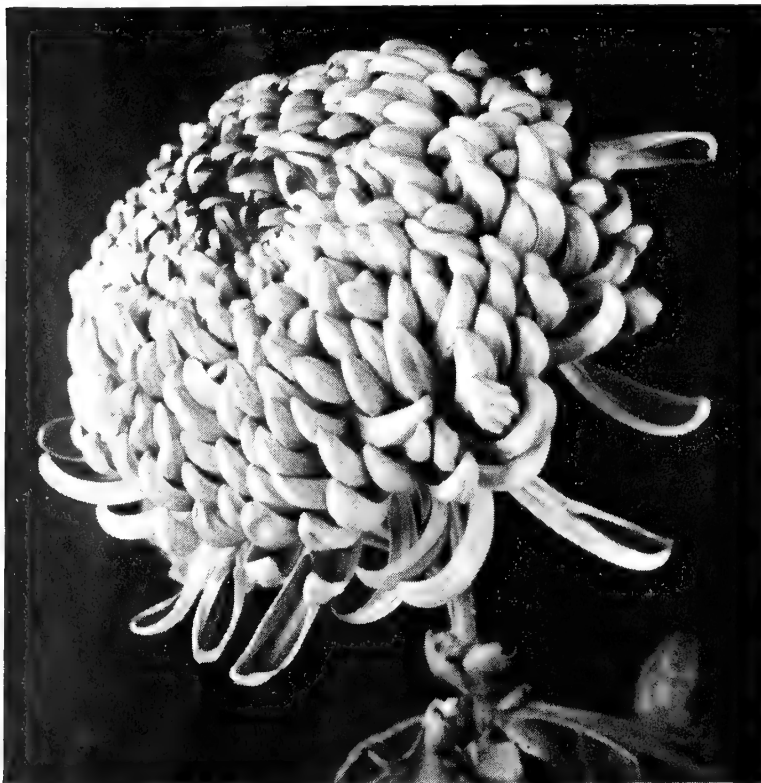


**MRS. MARGARET GILLETTE**

**LILLIAN FOLTZ.** This tightly incurved large sized yellow flower has few outer petals drooping gracefully like our "Dorothy Dee." The plant has good foliage and strong stems. Matures October 25. (See illustration on page 21.)

**LOUISA POCKETT.** Pure white and probably the largest flower in the Exhibition class. Variety so widely grown for show flowers that no further comment is necessary. Height tall. Matures November 1. **Price 50 cents each, \$5.00 per dozen.** (See illustration on page 25.)

**LA FRANCE.** A large globular shaped silvery mauve flower on a very stiff stem. Inside of each of the petals is rich amaranth purple. Matures each year October 10. Height medium. **Price: 50 cents each, \$5.00 per dozen.**



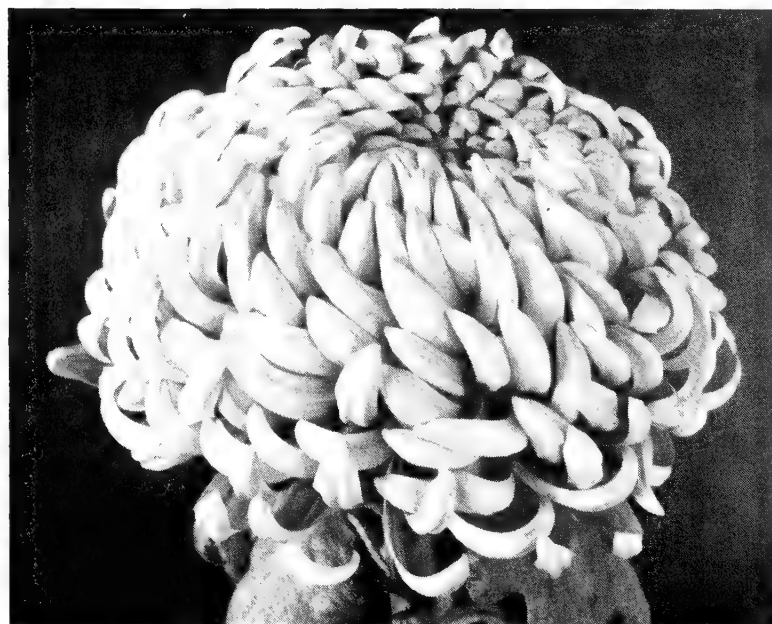
**VICTORY**



**STROMNESS**

**MARIE MILLER.** A deep yellow exhibition-commercial, incurved, full centered flower normally in full bloom around November 6. Has strong stem. The foliage, carried up to the petals of this stately flower, is very healthy and clean. Grows to about 4 feet tall. (Illustration on page 25.)

**MASUMI.** A beautiful full centered orchid pink flower. When the buds begin to open, the long tubulated lower petals droop downward like the spidery type; but gradually filling completely to the top, resulting in a perfectly globular flower of good size. Grows to about 4½ feet tall. **Price: 35 cents each, \$3.50 per dozen.** (See illustration on page 22.)



**WANDA OLMSTEAD**



**MISS FRANCES LOWE.** This large incurved flower is full centered. Very unusual color—the closest description being crushed raspberry bronze. Has good foliage and good sturdy stem. Matures November 1. Height tall. **Price: 50 cents each, \$5.00 per dozen.** (See illustration on page 23.)

**MRS. HARLEY A. SILL.** Large rich wine red flower with mauve reverse. Not a full centered flower but attractive in every respect. A tall grower. Matures October 15. (Illustration on page 25.)

**MRS. IRENE SHEFFLEY.** This deep red with gold reverse exhibition flower matures into perfectly spherical blossom around November 1. Very solid substance with remarkable lasting quality. Has clean foliage and strong stem. Height about 4 feet. **Price: 50 cents each, \$5.00 per dozen.** (See illustration on page 25.)

**MRS. MARGARET GILLETTE.** Reflexed type flower very similar to "Armistice Day." Dazzling red with gold reverse. Grows to medium height, matures November 10. **Price: 50 cents each, \$5.00 per dozen.** (See illustration on page 26.)

**MRS. RUSSELL COMPTON.** Luminous ox-blood red with buff reverse. Large flower with broad reflexed petals. Strikingly beautiful flower which has excellent stem and foliage. Height about 3½ feet, reaching full maturity October 15. **Price: 50 cents each, \$5.00 per dozen.** (See illustration on page 24.)

**MUTO'S CRIMSON.** Deep crimson and gold reverse. Sport of "Armistice Day." A stunning new variety. Perhaps this variety will dominate in the class of deep maroon, both in exhibition and in commercial cut flower fields for many years to come. The growing habit is identical to its parent. **Price: 50 cents each, \$5.00 per dozen.** (See full color illustration on page 21.)

**NAGIRROC.** A golden bronze large flower in reflexed type. The petals are very broad and long, almost feathery in appearance. Height medium. Matures October 20.

**OHGON.** Meaning golden yellow. This large flower is spherical in form and full centered. Has dark green medium sized foliage. Height medium. Matures around November 1.

**PHILIP KAY.** As in the color illustration, this is a tightly incurved, very globular flower. True lavender pink in color. Has very stiff stem. Foliage also excellent. Height medium. Matures November 5. **Price: 50 cents each, \$5.00 per dozen.** (Illustration on page 23.)

**STEPHANIE.** Our 1949 introduction. An exquisite flower of clear fuchsia purple with silvery pink reverse. Petals are loosely incurved and the pointed silvery pink tips harmonize beautifully with the deeper color of the inside. Height medium. Matures normally November 1. **Price: \$1.00 each, \$10.00 per dozen.** (Full color illustration on page 24.)

**STROMNESS.** Snow white sport of "Greer Garson." Reflexed flower with most intriguing central swirl. Very satisfactory grower. Height medium. Matures around October 25. (See illustration on page 26.)

**SUNNYSLOPE BRONZE.** An excellent large ball shaped flower of old gold bronze. Tightly incurved and excellent keeper. Height medium. Matures around November 1. **Price: 35 cents each, \$3.50 per dozen.** (Full color illustration on page 23.)

**THOS. W. POCKETT IMPROVED.** An enormous flower of deep pink with incurving tips and silvery pink reverse. Reserve second crown or a terminal bud for perfect flower and finest color. Height tall. Matures around November 1. **Price: 50 cents each, \$5.00 per dozen.**

**TURNER BRONZE.** A very large loosely incurved exhibition flower in light bronze. Sport of the famous "William Turner."

**TURNER PINK.** Another sport of the "Turners." Light pink. Height medium and matures November 1.

**VICTORY.** Perhaps this variety comes closest to incurved red variety in large exhibition type. In a chrysanthemum flower, invariably, the color of the inside is more intense than the reverse side. When the petals curve inwardly, the reverse is exposed. Therefore, though the color of the inside of this lovely flower is rich wine red, the outside or the exposed part is a mixture of pink, gold and red. Exceptionally attractive variety. A tall grower. Matures around November 1 on. **Price: 50 cents each, \$5.00 per dozen.** (See illustration on page 26.)

**WANDA OLMSTEAD.** Inside of the petal is amaranth red and the outside is iridescent lilac rose. Very formal, large incurved flower maturing October 15. Height medium. **Price: \$1.00 each, \$10.00 per dozen.** (See illustration on page 26.)

**WILLA TEMPLIN.** A ravishing golden bronze flower with large tubulated petals of hooked spoon tips. Has good foliage and sturdy stems. Height medium. Matures October 20. **Price: 35 cents each, \$3.50 per dozen.** (See illustration on page 24.)

**WILLIAM TURNER.** The original "Turner." A well known variety throughout the world where Chrysanthemums are cultivated. Seldom that one has not admired this flower at any of the Mum shows in the past two decades. Matures around November 1.

**YELLOW POCKETT.** A light yellow sport of "Louisa Pockett." Together with its parent, this variety is a favorite of all flower show exhibitors. Flower is equal in size to the "Turners." Matures around October 30. A tall grower. Reserve bud next to the first crown. **Price: 35 cents each, \$3.50 per dozen.** (See illustration on page 25.)

**YELLOW TURNER.** A light yellow sport of the "Turner" variety. Identical to other sports except color.

## Hardy Varieties

These varieties are especially recommended for regions where early frosts prevail, as they possess hardy, early flowering qualities. Blooming dates, September 1 to October 20.

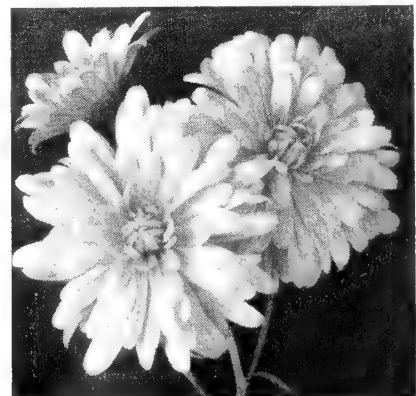
### PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ 2.00
3 of One Name.....	.55
6 of One Name.....	1.00
12 of One Name.....	2.00

**ALABASTER.** A lovely English variety in ivory white. Will develop large flowers about five inches in diameter when disbudded. October 1. **Price: 25 cents each, \$2.50 per dozen.**

**ALLEGRO.** A shrimp pink suffused with coppery salmon. October 10. **Price: 25 cents each, \$2.50 per dozen.** (See illustration at right.)

**AMELIA (Cushion Mum).** The original cushion mum in variable shades of pink. Matures late summer. (See illustration of cushion variety.)



ALLEGRO



**NORTHLAND DAISY**

This low growing, hardy, border Chrysanthemum comes in five varieties. Astrid, Good Morning, Igloo, Kristina and Loki. See listing for description and prices.

**ASTRID (Northland Daisy).** Soft pink daisy flower. Very effective as borders or where low growing effect is necessary. October 1. (See illustration of Northland Daisy.)

**AVALANCHE.** Ranks very high in the class of weather resistant whites. The clean, well branching sprays carry a load of ivory white flowers around September 10. **Price: 25 cents each, \$2.50 per dozen.**

**AVIATOR.** Coppery-bronze flowers massed on a very vigorous, easy growing, well developed plant. October 10. **Price: 25 cents each, \$2.50 per dozen.**

**BOKHARA.** The color is a blending of rosy crimson and wine shades. Wonderful for cut flowers. October 10. **Price: 25 cents each, \$2.50 per dozen.**

**BURMA.** A glistening bronze flower with undertone of copper and soft pink. October 10. **Price: 25 cents each, \$2.50 per dozen.**

**CARNIVAL.** This variety has blooms with bronze, red and golden bronze mixed together. October 10. **Price: 25 cents each, \$2.50 per dozen.**

**CHAMPION CUSHION (Cushion Mum).** Free flowering bronze variety. A dwarf grower—recommended for borders, rock gardens, etc. September 15. (See illustration of Cushion Mum.)

**CHARLES NYE.** Pure golden yellow clustered flower on long, sturdy stems blooming profusely around October 1. **Price: 25 cents each, \$2.50 per dozen.**

**CHIPPEWA.** Large decorative aster purple flower which is very attractive in the garden; also makes lovely cut flowers. September 25 on. **Price: 25 cents each, \$2.50 per dozen.**

**CHRIS COLUMBUS.** Lovely white variety produced in well branched sprays. Early September. **Price: 25 cents each, \$2.50**

**COPPELIA (English variety).** Large decorative flower of rich Indian-red and bronze undertone. October 15. **Price: 25 cents each, \$2.50 per dozen.**

**CORAL SEA.** Most productive variety in a beautiful coral buff color. Low growing bush variety; nice for borders or for pot specimen. October 1.

**COURAGEOUS.** A bold crimson decorative type holding its color very well. Very attractive as cut flower and garden color effect. October 5.

**CYDONIA.** Vivid, fiery, orange-red double flower with a slight bronze overcast. Multiple sprays produce confusion of flowers two inches across which glow like burning ember. October 5. **Price: 25 cents each, \$2.50 per dozen.**

**DEAN KAY.** Deep pink variety slightly taller than "Amelia." This is a two-crop-a-year variety with us; first crop appears in May with a lovely blast of pink.

**DEBUTANTE.** Large semi-double blooms. A gorgeous blending of light rose, soft peach, and lemon yellow. Late September. **Price: 25 cents each, \$2.50 per dozen.**

**GOLDEN CUSHION (Cushion Mum).** Rich golden yellow. A rugged, stocky, well formed plant—suitable especially where dwarf effect is desired. September 15. (See illustration of Cushion Mum.)

**GOLDEN CARPET.** A creeping growing habit, only about 1 foot high. Will develop a mound two feet across loaded with round golden pompons. September 15. **Price: 25 cents each, \$2.50 per dozen.**

**GOLD MINE.** A gleaming yellow flower of good size developed in beautiful sprays. October 10. **Price: 25 cents each, \$2.50 per dozen.**

**GOOD MORNING (Northland Daisy).** A large daisy type, pure yellow flower. Identical in general habit of growth to our "Astrid." October 5. **Price: 25 cents each, \$2.50 per dozen.**

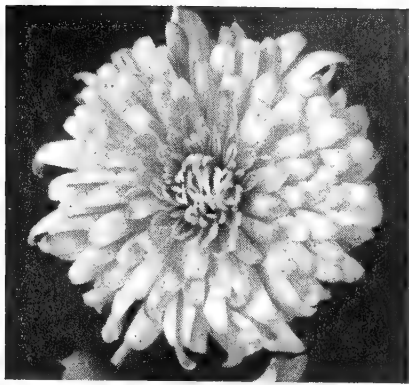
**HONEYCOMB.** A small perfectly formed spray variety of intense golden yellow. Vigorous and productive variety. September 25.

**HUNTSMAN.** A vivid scarlet orange with a beautiful shade of walnut bronze overcast. Full centered flower about three inches across. October 10. **Price: 50 cents each, \$5.00 per dozen.**



**HARDY CUSHION MUMS**

Another low growing, border Mum so well noted for its great profusion. Also comes in four varieties: Amelia, Champion Cushion, Golden Cushion, Queen Cushion and Yellow Cushion.



**TIFFANY ROSE**

**IGLOO (Northland Daisy).** A white daisy flower. Attractive free bloomer that lasts exceedingly well. Early October. **Price: 25 cents each, \$2.50 per dozen.** (See illustration of Northland Daisy.)

**INDIAN SUMMER.** Large informal flower of orange bronze which is excellent for cut flower.

**JUDITH ANDERSON.** A golden yellow button type flower of solid substance. This variety produces an abundance of lovely flowers on a short and compact bush. October 5.

**JEAN TREADWAY.** Pink pompon flower with a dark center. Decorative flower in mass about October 10.

**KARL A. REICHE.** A very compact little pompon in tone combination of Bengal rose, red, mauve and strawberry. Late September. **Price: 25 cents each, \$2.50 per dozen.**

**KRISTINA (Northland Daisy).** Deep rose-pink which is almost purple, a shade which is most attractive in the fall garden. October 10. **Price: 25 cents each, \$2.50 per dozen.** (See illustration of Northland Daisy.)

**LAVENDER LADY.** A very handsome outdoor hardy type of true lavender. A strong, free flowering, excellent variety. Late September. **Price: 25 cents each, \$2.50 per dozen.** (See illustration on back cover.)

**LOKI (Northland Daisy).** A daisy type flower, slightly lighter in color than "Christina." Early October. **Price: 25 cents each, \$2.50 per dozen.** (See illustration of Northland Daisy.)

**LOLA.** A large size, double spray flower of glittering gold which is a good cut flower variety. **Price: 25 cents each, \$2.50 per dozen.** Late September.

**MAGNOLIA.** The color is a blend of soft pink and cream white. Strong grower, producing bountiful spray flowers from mid-September on. **Price: 25 cents each, \$2.50 per dozen.**

**OLIVE LONGLAND.** A beautiful blend of apricot and salmon-bronze—very hardy and satisfactory variety. Early October. **Price: 25 cents each, \$2.50 per dozen.**

**PEPITA.** A charming creamy white button with a dark eye at first. A prolific bloomer on a bush about 2 feet tall. September 15. **Price: 50 cents each, \$5.00 per dozen.**

**PINK RADIANCE.** A luminous pink flower almost three inches in diameter. A lovely free blooming variety. October 10. **Price: 25 cents each, \$2.50 per dozen.**

**QUEEN CUSHION (Cushion Mum).** Pure white. Short, bushy growing habit of this variety is characteristic of all the cushion varieties. October 1. (See illustration of Cushion Mum.)

**RAPTURE.** Glorious blend of orange and carmine—very branching variety making unusually beautiful effect in the fall garden. October 15. **Price: 25 cents each, \$2.50 per dozen.**

**RED GOLD.** A bronzy-red medium size flower that is not only attractive but also very productive. September 15.

**RED RIDING HOOD.** Double pompon flower about 3½ inches in diameter of iridescent bright red. October 10. **Price: 25 cents each, \$2.50 per dozen.**

**RED SPOON.** A bronzy red full centered spoon variety in the Hardy class. A super-abundant producer of large flowers in lovely sprays. October 10. **Price: 25 cents each, \$2.50 per dozen.**

**ROSE GLOW.** A raspberry rose small sized decorative pompon type flower that blossoms in profusion about October 1.

**ROSITA.** Persian rose pink button type flower. Dr. Kraus' stunning introduction. October 10. **Price: 50 cents each, \$5.00 per dozen.**

**RUBY POMPON.** A recent introduction in ruby crimson. The flower is a well rounded pompon produced on beautiful, well formed bush. Early October.

**SALMON FRIEDA.** One of the loveliest salmon-pink variety in the Hardies. Not to be confused with another "Frieda" variety which is anemone flowering. October 1. **Price: 25 cents each, \$2.50 per dozen.**

**SEPTEMBER DAWN.** A double pink flower about 3 inches in diameter. Hardy, vigorous and extremely free flowering. September 15. **Price: 25 cents each, \$2.50 per dozen.**

**SEQUOIA.** An exquisite rich mellow amber in color—one of the most outstanding varieties we have in this class. **Price: 25 cents each, \$2.50 per dozen.** October 10.

**STALWART.** Very compact in growth. The medium sized double blooms of brilliant gold with blend of bronze are produced freely around October 10. **Price: 25 cents each, \$2.50 per dozen.**

**SUNBEAM (English Variety).** As the name suggests, this is a lovely yellow pom which can be grown larger by disbudding. October 10. **Price: 25 cents each, \$2.50 per dozen.**

**SYMPHONY.** A blend of mauve, coppery pink and soft lavender. Flowers are large and fully double. October 10.

**TIFFANY ROSE.** Fully double, deep rose flowers of decorative type pom with faint undertone of cream. October 10. **Price: 25 cents each, \$2.50 per dozen.** (See illustration at top.)

**VULCAN.** A brilliant crimson, single type flower—noted for its good keeping quality. October 10.

**WHITE WONDER.** A beautiful spray type in creamy white which turns into pure white when in full bloom. October 10.

**YELLOW AVALANCHE.** A soft yellow sport of Avalanche. A very attractive addition to the Hardies. September 10. **Price: 25 cents each, \$2.50 per dozen.**

**YELLOW CUSHION (Cushion Mum).** A bit lighter in color than our "Golden Cushion." October 10. **Price: 25 cents each, \$2.50 per dozen.**

**ZANTHA.** Very beautiful yellow pompon type flower. Makes wonderful cut flower bouquets. **Price: 25 cents each, \$2.50 per doz.**

## POMPON★ SECTION BUTTON TYPES

### PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name.....	.55
6 of One Name.....	1.00
12 of One Name.....	2.00

**ADORABLE.** A very lovely small yellow button flower produced in beautiful clusters. December 1.

**ANNETTE.** A round pink button for around November 5. The petals are of solid substance and its lasting quality is remarkable.

**ANN FULTON.** A low, compact, bushy grower of well rounded flower produced in great abundance. Pink with a dark center. October 25.

**BABY.** This clear yellow is the smallest flower that we grow. Perfectly formed and well rounded flower, produced bountifully on a well developed bush. November 10.

*★ In florist trade, the term "POMPONS" is referred only to small flowering varieties such as Buttons of less than 1 inch and Disbudded Pompons measuring about 3 inches in diameter. In other words, Pompons are not large flowers.*



**BOBETTE.** A lavender with dark rose center at first. A very good producer, making an excellent pair with "Adorable" as it blossoms together.

**BONNIBEL.** Lovely button in bronze which is a low grower. October 25.

**CLARA JAMESON.** An exceptionally heavy producer of attractive bronze button flowers of good substance. October 15.

**CLARE.** A satisfactory baby button in white. October 30.

**DARK PINK JEWELL.** A deep pink sport of "Jewell." Has identical, compact growing habit of its parent. October 10.

**DOROTHY NEHRLING.** Deep rose pink little flower maturing around November 5. Splendid production.

**ETHEL.** Small clustered flower in red. November 1.

**IRENE.** Lovely, round, small flower in purest white. One of the best. October 15.

**ISOBEL.** A small flower with tightly cupped petals in a beautiful shade of deep pink. October 25.

**JEWELL.** A larger size deep pink button flower. Produces attractive flowers on a low growing bushy plant. October 5.

**NANCY CRAIN.** Perfectly formed white button, diffused slightly with an orchid shade increasing in intensity inward to a pronounced eye. November 5.

**NUGGETS.** One of the most popular varieties in rich golden yellow. October 25.

**PATSY DAWD.** A red variety similar to our "Ethel"—slightly taller. November 1.

**PINK SPRITE.** A newcomer in clear orchid pink. Very globular flower in mass of color about November 1. **Price: 25 cents each, \$2.50 per dozen.**

**PINOCCHIO.** Probably the purest white in this class. Produces uniform flowers in fine sprays. October 25.

**PIXIE.** A larger button flower in bright yellow. Produces wealth of attractive round flowers in beautiful sprays. October 25.

**PURPLE BUTTON.** A decorative type button flower in deep purple. November 25.

**SUZANNE.** This unique small flowering flower has rose pink and soft pink intermixed within a single flower in a "calico" effect. This phenomena is effected because this flower has two distinct types of petals, tubulated and flat. The tubulated petals are deep rose, while the flat petals are light pink. November 1. **Price: 25 cents each, \$2.50 per dozen.**

**WHITE JEWELL.** A white sport of "Jewell" with a slight trace of pink at times. October 5.

**YELLOW IRENE.** This lovely compact lemon yellow button flower is a sport of "Irene." October 20.

## Intermediate Type Pompons

### PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name.....	.55
6 of One Name.....	1.00
12 of One Name.....	2.00

### BRONZE

**ALGIERS.** A bright apricot-bronze medium size flower. Produces lovely sprays of well formed flowers. October 25.

**ARGO.** A beautiful bronzy-orange, shading to rust—medium size decorative type of lovely substance for early December flowers.

**BONTON.** This well rounded spray type is bright bronze with a deeper shade inside the petals. October 20.

**BRONZE BULKELEY.** A buff-bronze sport of "Mrs. Morgan Bulkeley." A very globular flower of solid substance produced on well branched sprays. October 25.

**CALIFORNIA FIREBIRD.** A reddish bronze flower with glints of gold. Exotic in character and very graceful in formation. Tall grower. December 1.

**DIADEM.** A deep bronze pompon of globular form, produced in quantity around November 15. **Price: 25 cents each, \$2.50 per dozen.**

**JOAN WELLS.** A very successful orange bronze spray type flower with dark center. This is a sport of "Pink Dot." October 15.

**MANCHUKUO.** Lovely intermediate pompon of gold and reddish bronze combination. November 1.

**NATOMA.** This attractive, informal, decorative flower in bronze will blossom for Halloween without fail.

**PEGGY POESCH.** Well rounded clear bronze flowers produced on stiff stems. November 1.

**SENECA.** A decorative pom in bronze reaching full maturity around November 1.

**SPARKLER.** A newcomer in bronze pom that is notable as commercial cut flower. **Price: 25 cents each, \$2.50 per dozen.**

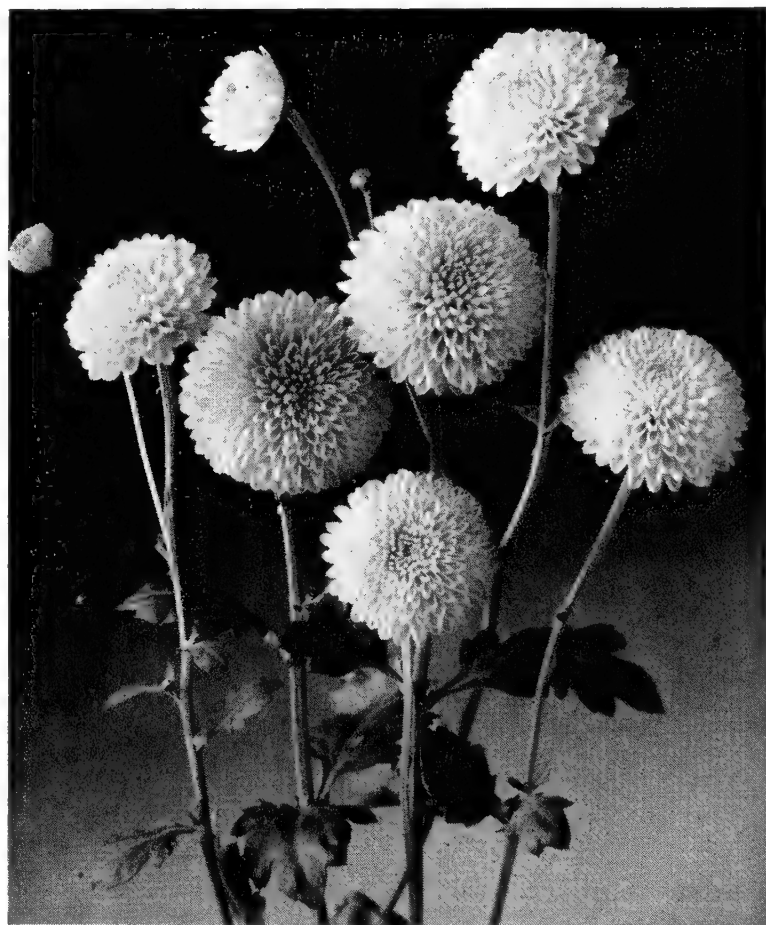
**WILDFIRE.** Orange rust decorative flower in full color around December 1.

### PINK

**CAROLYN YOSIK.** Semi-decorative spray flower in lavender pink. October 20.

**HIGHLIGHT.** A pleasing combination of light and dark pinks shading almost to red in the center before full maturity. Nov. 5.

**JESSIE.** Deep rose pink with a dark center. October 15.



SUNNYSIDE

**LETITIA.** Clear pink shade with dark pink eye. Very similar to "Pink Dot," only larger. November 1.

**MISSION.** This beautiful flower is delicate pink with dark center. October 15.

**MARY MACARTHUR.** A well rounded spray mum in pinkish bronze. A lovely newcomer that is well worth growing. October 25. **Price: 25 cents each, \$2.50 per dozen.**

**MINSTREL.** Solid well rounded spray mum with tightly cupped petals for December flowering. This is also a novel addition. **Price: 25 cents each, \$2.50 per dozen.**

**PINK DOT.** The original "Dot" family—clear pink with dark pink center.

**ROSE PRINCESS.** A rose pink decorative pom produced on sturdy stems with good foliage. **Price: 25 cents each, \$2.50 per dozen.**

## RED

**CAMPFIRE.** A closely compact orange red flower of solid substance. November 20.

**CHRISTMAS RED IMPROVED.** A bright crimson red small pom which matures for Christmas season.

**DEBONAIR.** Another rich crimson red small pom for the Christmas season.

**NAVAHO.** A deep crimson shading to reddish bronze at times. November 1.

**ROBIN HOOD.** Deep blood red flower about 1 inch in diameter. October 25.

**RUSTICON.** An intense rust red pompon flower for Thanksgiving.

## WHITE

**LAKME.** Compact globular flower with light green center before reaching maturity. November 11.

## YELLOW

**BARCAROLE.** An easily grown golden yellow pom, very formal ball shaped in appearance. November 1.

**CANARY.** A true canary yellow pom produced in lovely sprays. December 1.

**CONSTELLATION.** A valuable deep yellow variety for the commercial cut flower raisers. November 5.

**GOLDEN ANNIVERSARY.** A newcomer in deep golden yellow about the size of "Sunnyside" in the illustration. December 15. **Price: 25 cents each, \$2.50 per dozen.**

**INDIA GOLD.** A well rounded flower produced in wonderful sprays. October 20.

**OMEGA.** This splendid deep yellow spray mum will bloom for Thanksgiving. Very compact and formal flower of lasting quality.

**SUNNYSIDE.** Another top quality flower for Thanksgiving. Very few others could equal its great productivity: (Illustration is on page 30.)

**TALLY-HO.** A round solid pompon in clear yellow. Lovely sprays. November 15.

**YELLOW DOT.** Unusually beautiful yellow pom with pronounced dark center. Probably the most popular in the "Dot" family. October 20.

**YULEFLAME.** A truly remarkable variety is this spray mum in a beautiful yellow color; will blossom during late December and in January, producing good quality flowers. **Price: 25 cents each, \$2.50 per dozen.**

## TREASURE ISLAND STRAIN OF SPRAY CHRYSANTHEMUMS

Noted strain that can be delayed for Christmas market in Southern California. Very heavy producers of quality flowers about 2 inches in diameter. They are supplied in four shades: Bronze, pink, white and yellow. All at standard price of **20c each, \$2.00 per dozen.**

# Large Pompons Suitable for Disbudding

These varieties, when disbudded, will form flowers about 2 to 3 inches in diameter.

### PRICE OF ROOTED CUTTINGS

(Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name .....	.55
6 of One Name .....	1.00
12 of One Name .....	2.00

## BRONZE

**BRONZE GOLDSMITH.** A rich bronze sport of "Goldsmith." Decorative pom, beautiful either in sprays or disbudded. December 1 on.

**BRONZE MASTERPIECE.** Lovely bronze sport of "Masterpiece." Produces perfectly rounded ball shaped flower when disbudded. October 25. (See illustration on right.)

**CELEBRITY.** Our 1949 introduction. Rich apricot-bronze slightly deeper in the center. Large decorative type flower. November 1. **Price: 25 cents each, \$2.50 per dozen.** (See illustration on page 32.)

## PINK

**ANGELO.** Soft pink flower shading to lighter pink toward the edge of petals. Lovely when disbudded. October 10.

**CALIFLORAL PRIDE.** Deep pink flower with trace of silver, particularly along the edge of the petals. November 1.

**DAWN.** A soft pink, almost white, large pompon which produces spherical flower especially when disbudded. November 1.

**ELORA.** A shell-pink with deeper pink center. Very attractive when disbudded. October 25.

**FAIRMAID.** An unusually beautiful clear shade of daybreak pink. Stunning variety. October 25.

**MASTERPIECE.** Tourmaline pink large pom which is really best when disbudded. Matures October 25 on.

**QUEEN OF PINKS.** Best variety in deep orchid pink for disbudding. Will produce flowers 3½ to 4 inches in diameter when disbudded to about ten or twelve blooms per plant. October 15. (See illustration on right.)

**THYRA.** A deep lavender flower with close, compact, cupped petals giving an appearance of pompon dahlia when disbudded. November 1. (See illustration on right.)



Top: **THYRA**

Center Left: **BRONZE MASTERPIECE**; Center Right: **SNOWBALL**.  
Bottom Left: **GOLDEN FAIRY**; Bottom Right: **QUEEN OF PINKS**.

## RED

**MRS. MARY HOOKER.** Deep red, large decorative pompon maturing about November 20.

**ROYAL CRIMSON.** A crimson red variety which is very productive as well as attractive. December 5.

## WHITE

**ARCADIA.** An attractive round flower in pure white—very productive tall grower. October 25.

**GRANITE STATE.** A successful pot variety in pure white. A short grower, producing large blooms when disbudded. October 15 on.

**MATCHLESS.** Extremely productive, creamy white, decorative type flower. Responds well to almost all types of cultural conditions. November 1.

**PRISCILLA.** Compact rigid sprays of this flower produce maximum amount of clear white well rounded flowers. November 20.

**SEAFOAM.** Snow white, large pompon of beautifully rounded form. Flowers are well placed on a long rigid stem. Responds well to disbudding. November 5.

**SEAGULL.** A pure white, long lasting variety which we consider one of the best. Early October.

**SILVER BALL.** Pure white variety that responds well to disbudding. October 10.

**SNOW BALL.** When disbudded, this variety will develop good size round flowers in early October. (See illustration on page 31.)

**WHITE DOTY.** Large ball shaped flower in creamy white. October 25.

## YELLOW

**CININNATI.** This golden yellow large pompon will produce quality flowers whether grown in sprays or when disbudded. October 10.

**GOLDSMITH.** Broad-petalled large decorative pompon variety. Better when disbudded, but will also form large flowers even when grown in sprays. Thanksgiving on.

**GOLDEN FAIRY.** An excellent early flowering clear yellow pom. Attractive when disbudded. October 15. (See illustration on page 31.)

**HILLCREST YELLOW.** This variety matures early October. Clear yellow variety, bearing several large flowers of about four inches in diameter when disbudded. **Price: 25 cents each, \$2.50 per dozen.**

**YELLOW ARCADIA.** A lemon yellow sport of "Arcadia."

## ★ ANEMONE

### PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name.....	.55
12 of One Name.....	2.00

★ Anemone Flowering varieties have large, high, neatly formed disc or cushion florets and regularly arranged ray petals. These varieties should be disbudded to a stem, one dozen or more to a bush. Varieties not to be disbudded are so stated.

## BRONZE

**BRONZE CHARM.** Chestnut bronze throughout with high bronze cushion. Ray petals are very short. November 10.

**BRONZE FRIEDA.** Identical to "Frieda" in all respects except in color, which is a beautiful shade of buff bronze. The cushion florets are yellow as in "Frieda." November 5. (See illustration of "Frieda.")

**BRONZE TUXEDO.** An apricot-bronze sport of "Tuxedo." Has identical excellent qualities of its parent. November 1. **Price: 25 cents each, \$2.50 per dozen.** (See illustration of "Yellow Tuxedo.")

**CAPTIVATION.** A large flower with mahogany-rose ray petals and cushion of reddish bronze. November 10. **Price: 25 cents each, \$2.50 per dozen.**

**ESTRELLITA.** A buff bronze throughout, conspicuous because of its large cushion center. November 5.

**ROLINDA.** A reddish bronze flower with a low cushion. Large when disbudded. November 20.



## CELEBRITY

**YELLOW DOTY IMPROVED.** Superior variety than the older "Yellow Doty." October 20.

**YELLOW SEAGULL.** Yellow sport of "Seagull." Matures October 20 on.

## ELSIE KRAMER VARIETIES FOR DECEMBER FLOWERING

Probably there is no other variety in spray chrysanthemums so widely cultivated today by the commercial cut flower growers for Christmas season here in Southern California than the original "Elsie Kramer" (Pink) and many of its sports. Available in these colors: Pink, Shell Pink, Bronze, Peach, White, Rose, Yellow and Salmon Rose. **Prices: 20 cents each, \$2.00 per dozen of one color.**

## SECTION

### PINK

**BEAUTIFUL LADY.** Bright shade of lavender pink with a creamy white cushion. More attractive when disbudded. November 20. **Price: 25 cents each, \$2.50 per dozen.**

**BETTY ROSE.** Bright pink ray petals with cushion of lighter pink. Equally beautiful in sprays. October 25.

**DORIS LOUISE.** A deep rose pink sport of "Frieda." Disbud this variety and you will have a truly beautiful flower. November 5. (See illustration of "Frieda.")

**ELIZABETH.** A light pink variety, similar in formation to our "F. S. Parks." Forms better flowers when disbudded. November 1.

**ENCHANTRESS.** Beautiful orchid pink ray petals with cushion of a lighter shade of pink and soft yellow. December 10. **Price: 25 cents each, \$2.50 per dozen.**

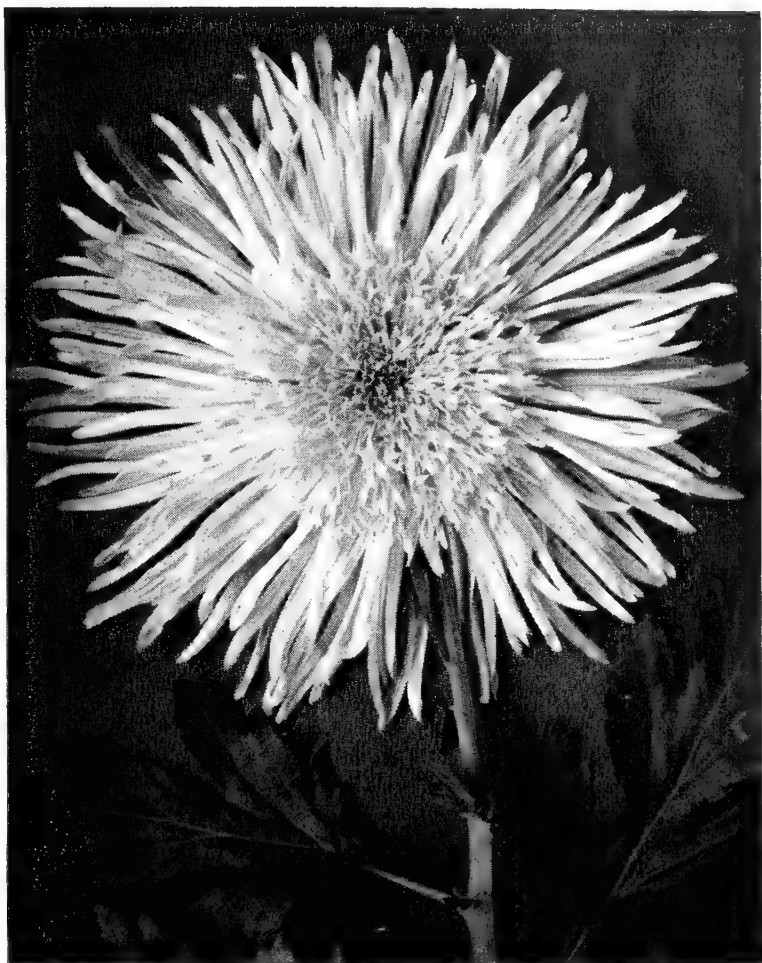
**FRIEDA.** Ranging in color from deep shell pink to deep orchid pink in accordance with corresponding moderation of high temperature. November 5. (See illustration on page 33.)

**H. J. BALLOUGH.** Light orchid pink ray petals with large yellow cushion. A short bushy grower. November 10.

**MRS. J. S. ROBERTS.** A beautiful combination of mauve and violet. Disbud this variety and you will have the largest anemone flowered type yet grown to date. November 5. **Price: 35 cents each, \$3.50 per dozen.**

**ORCHID BEAUTY.** A medium size orchid pink flower with prominently conspicuous yellow cushion center. November 10.





**YELLOW TUXEDO**

**ROSE MADDER.** Has extra large cushion center surrounded by double row of short pointed ray petals. Color is rose pink throughout. October 30.

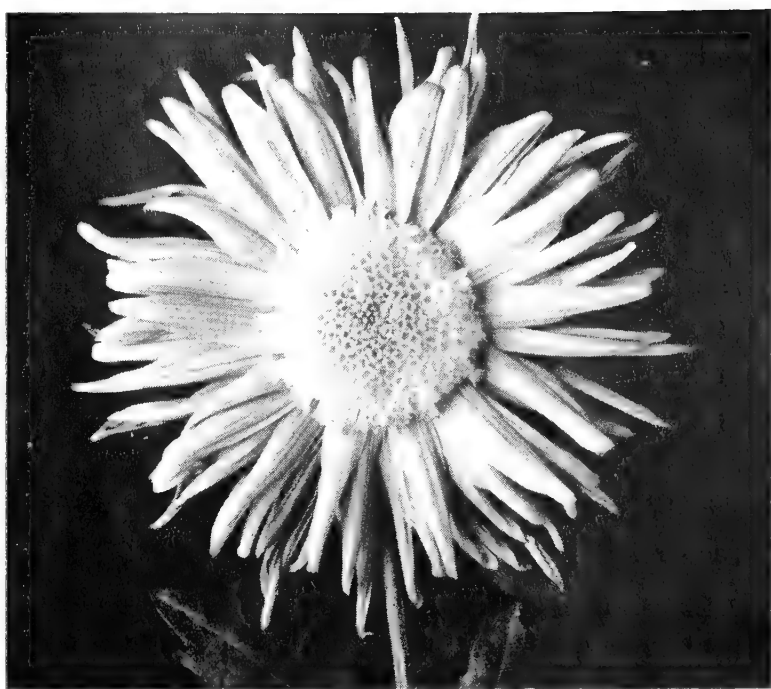
**TUXEDO.** An exceptionally large light pink variety, consisting of wide, pointed ray petals radiating from a tufted pin cushion of darker quilled florets. November 1. **Price: 25 cents each, \$2.50 per dozen.** (See illustration of "Yellow Tuxedo" for formation.)

## WHITE

**C. D. WOLFE.** This variety has white ray petals and white cushion with a dark brown dot in the center. October 15.



**F. S. PARKS**



**FRIEDA**

**FRANCES SCHOEN PARKS.** Especially large when disbudded. Both the ray petals and cushion florets are glistening white. November 1. **Price: 25 cents each, \$2.50 per dozen.** (See illustration below.)

**NEVADA.** Unique in appearance because of its dark green center. The ray petals are broad and pure white. November 20.

**SILVER QUEEN.** A pure white sport of "Beautiful Lady." Qualities like its parent except its color. November 10. **Price: 50 cents each, \$2.50 per dozen.**

**SINCERITY.** Short white ray petals with a very prominent globular white cushion. For best results, this variety should be disbudded. October 15.

**SUROKU.** Small button anemone variety composed of white ray petals and yellow cushion. Not to be disbudded. October 25.

**SWAN.** A beautiful large white flower throughout. Outstanding variety for late flowering. December 10.

**WHITE NORMA.** The ray petals are white while the cushion florets are yellow. The cushion does not stand out well if not disbudded. November 1.

## RED

**CRIMSON GLOW.** Crimson maroon ray petals with large crimson cushion center. A very pleasing combination of colors in one flower. November 28.

**MATADOR.** Has attractive brilliant red ray petals with rich garnet red cushion. Outstanding when disbudded, also satisfactory when grown in sprays. Around Thanksgiving.

**MURAT.** Garnet red throughout with glints of gold in the cushion florets. Must not be disbudded. November 10. **Price: 25 cents each, \$2.50 per dozen.**

**THE TITAN.** This flower is very similar to "Matador." The ray petals are scarlet crimson and the cushion is bronzy red. Nov. 5.

## YELLOW

**CITRUS QUEEN.** Large flowering anemone variety of clear yellow throughout. Produces large flowers with high cushion when disbudded. November 5.

**GLEAM.** A rich golden yellow variety in full bloom around December 10. Wonderful for late bouquet flowers.

**SUNRAY.** A small spray flower in rich golden yellow. Not to be disbudded. October 25 on.

**YELLOW ESTRELLITA.** A bright yellow sport of "Estrellita." Produces uniform high quality flowers when disbudded. Nov. 25.

**YELLOW SINCERITY.** Clear yellow sport of "Sincerity." Very popular variety because of its unique large cushion center. October 20.

**YELLOW TUXEDO.** A lovely yellow sport of "Bronze Tuxedo." Identical to its parent except color and petal formation. The ray petals are quilled while its parent has an orthodox flat type petal. November 1. (See illustration at top.)

# Single Varieties – Daisy Type

## PRICE OF ROOTED CUTTINGS

(Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name.....	.55
6 of One Name.....	1.00
12 of One Name.....	2.00

## NOVEL INSTRUCTIONS FOR 1950

**LA BELLE (Number 14).** A pure white true daisy flower. Out of the numerous quantity of daisy flowers we have cultivated in our testing ground, this variety is the most outstanding—the size and formation of the flower, habit of growth, productivity, etc., are all splendid. Matures around November 1. **Price: 25 cents each, \$2.50 per dozen.**

**MIRIAM GUDE (Number 30).** A lovely soft pink daisy flower about the size of "Jean." The petals, of good substance, are broad and this attractive flower keeps well both in the garden and as cut flower. Very popular during our last Show. In full bloom about November 1. **Price: 25 cents each, \$2.50 per dozen.**

**BITTERSWEET.** A beautiful medium bittersweet red daisy flower having two to four rows of stiff broad flat petals. Has good keeping quality as cut flower. November 1.

**CHRISTMAS STAR.** A semi-double, scarlet red single type flower for Christmas flowering. Growth is exceptionally vigorous. December 15. **Price: 25 cents each, \$2.50 per dozen.**

**CRIMSON CARNELIA.** This beautiful sport of "Carnelia" is intense crimson red which holds astonishingly well with maturity. November 1. **Price: 35 cents each, \$3.50 per dozen.**

**GINNY LEE.** As in the illustration, this is a true single type flower. Its color is flesh pink at time or pure white at other times October 25. **Price: 25 cents each, \$2.50 per dozen.**

**GRETCHEN PIPER.** A brilliant yellow flower with a double row of ray petals. Blooms are four inches or more in diameter when disbudded. October 15.

**JEAN.** Pure white large daisy type that can be disbudded to produce larger flowers. October 20.

**MABEL SEYMOUR.** Another large single type in white grown successfully for years. October 20.

**MASON'S RED.** A red sport of "Mason's Bronze." Bronzy red broad petals. October 20.

**MASON'S YELLOW.** Clear yellow flower that responds well to disbudding. Develops several flowers of over four inches in diameter when disbudded. November 20. **Price: 25 cents each, \$2.50 per dozen.**

**MELBA.** A semi-double orange bronze decorative type of almost feathery shaped petals. Lovely when disbudded. Nov. 1.

**MINNESOTA.** Brilliant red daisy flower maturing about November 1. A medium size flower produced in lovely sprays which is wonderful for cut.



GINNY LEE

**PATRICIA ANN.** A newcomer in clear salmon pink. Very productive. October 25.

**RADIANT.** A bright red true daisy type flower about three inches in diameter. Beautiful even when it fades to orange bronze after full maturity. November 5.

**SURPRISE.** Vigorous grower and producer of quality spray flowers of salmon pink to almost pure pink in color.

## How to Reach Sunnyslope 'Mum Gardens

From Long Beach and South: North on Lakewood-Rosemead Blvd. (Highway 19) to Huntington Drive. Turn left on Huntington Drive to our Nursery.

From Hollywood and North: Take Colorado Blvd. through Glendale, Eagle Rock and Pasadena to San Gabriel Blvd. Turn South on San Gabriel Blvd. to Huntington Drive. Our Nursery is near the Southeast corner of the intersection.

From Riverside and Pomona Districts: Take Foothill Blvd. (Highway 66) to Huntington Drive at Arcadia. Follow West on Huntington Drive to our Nursery.

**BY PACIFIC ELECTRIC RED CAR:** Take either Monrovia or Azusa-Glendora car and alight at San Gabriel Blvd. Station.

*To date there is no Bus line service on Huntington Drive to our Nursery.*

# Cascade Standard Varieties

The Cascade varieties are all of exceptional beauty and exquisite daintiness. While chosen primarily for the ease with which they may be trained to hang or "cascade" downward, there are numerous ways in which they may be made to yield equally gratifying results with a minimum expenditure of time and effort.

Planted in the garden and stopped a number of times in the usual manner, these little-heralded horticultural phenomena will develop a rugged bushiness of free flowering growth that for sheer beauty may, perchance, outrival the much vaunted glory of the larger and more pretentious of their brethren.

Grown in pots and without special training, they may be taken care of in the open until such time as it is desirable to transfer them indoors, where their presence may lend a bit of sunshine to what otherwise might be a colorless interior. Let the Fall season of dark shadows and crispness of air be brightened and warmed by the comforting cheer irradiating from one or more well-groomed plants of this type strategically placed on window ledge, bench or table.

## PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name .....	.55
6 of One Name .....	1.00
12 of One Name .....	2.00

**ANNA.** White daisy type flower with golden yellow center. Blooms are about 2 inches in diameter. Grows like "Jane Harte" in the illustration. Matures November 1.

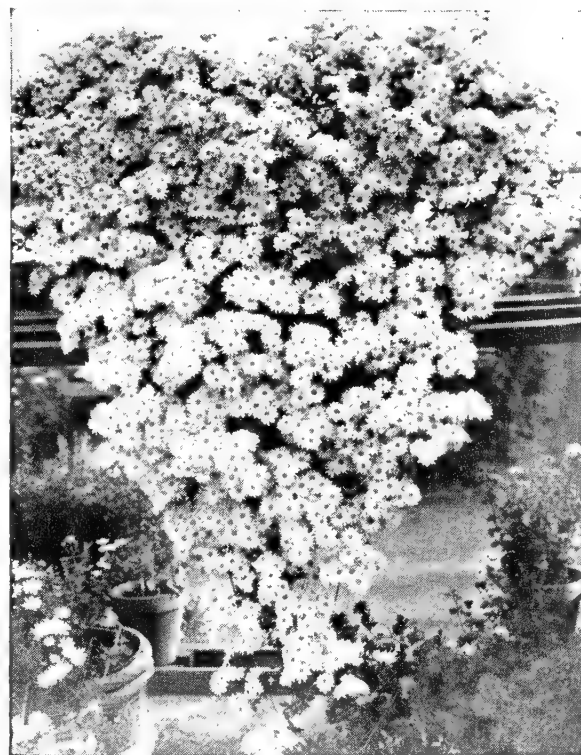
**AUTUMN GLORY.** As though to herald the coming of autumn, this new variety in pure autumn colors of bronze and russet will bloom in great profusion around October 25. Daisy type in formation. The individual flower measures about 3 inches in diameter. **Price: 25 cents each, \$2.50 per dozen.**

**BRIDAL VEIL.** This newer variety has daisy type flowers almost 3 inches in diameter. Snow white. Very attractive and of lasting quality. Matures October 1.

**CAMEO (C-6).** A dainty small button anemone type flower in deep lavender which shades deeper toward the center. A splendid variety for medium sized cascade. In full bloom about October 25. **Price: 25 cents each, \$2.50 per dozen.**

**CHERRY ROSE.** An attractive rose pink variety. Very free flowering, requiring least amount of pinching while growing. Has remarkable lasting quality. Matures October 10.

**GERTRUDE COMPTON (C-7).** A novel button anemone type flower in pure yellow throughout. Suitable for small sized cascade. Also splendid for rock gardens or borders. Very prolific and long lasting. Blooms about October 20. **Price: 25 cents each, \$2.50 per dozen.**



JANE HARTE

**FIREFALL.** Garnet red daisy type flower. Blooms about 2 inches in diameter. Free flowering and very attractive. Matures October 30.

**HALLOWEEN.** An anemone type flower. Bronze ray petals and deeper bronze cushion center. Very branching variety. Matures Halloween.

**JANE HARTE.** Yellow sport of "Anna." Same in all respects to its parent except color. Probably the two most widely grown cascading varieties on the market. Matures November 1. (See illustration on this page.)

**LAVENDER MIST.** Good lavender pink anemone type flower. Has well rounded cushion of same color with double row of ray petals. A splendid grower. Matures November 1.

**NIAGARA FALLS.** A creamy white blossom of large size that opens in great profusion. A daisy type flower with yellow button center. Very long grower. Matures around October 20.

**THE REAL MACKAY.** A pink daisy type flower of unusual beauty. An easy grower, producing very handsome cascade. Matures November 1.

## Suggestions for Culture of Cascades

**PREPARATION OF SOIL.** The potting soil is prepared by mixing 2 parts by volume of fibrous loam of good structure, 2 parts well decayed leaf mold, and 1 part of manure. In addition, a 5-inch potfull of bonemeal or superphosphate may be incorporated to every 3 bushels of mixture. This soil mixture may be prepared in large quantities and stored in shelter for later use.

**FERTILIZER.** Twice a month applications of commercial fertilizer (liquid fertilizer preferred) should be made during the most active growing months for cascades commencing from mid-May up to the formation of buds. When dry commercial complete fertilizers are used, it is cautioned not to over-feed a plant, always remembering that light applications frequently made are far better than over-dosing it at any time.

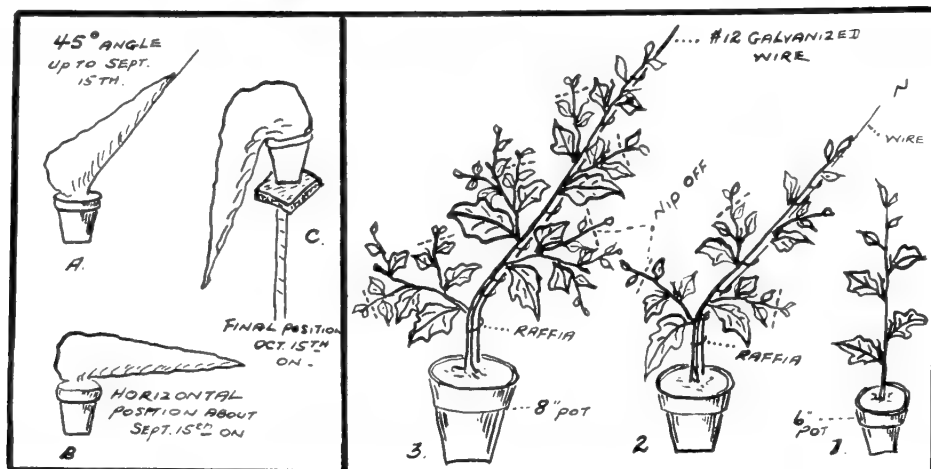
**RE-POTTING.** Plants may be put into 6-inch pots when bought from us. Two or three shiftings into larger pots are required during the season and these shifts should be made before plants form their first root network around the inside of their containers. Final re-pottings may be made about the middle of July or thereabout and sizes of pots used depend on the sizes of Cascades.

**TYING AND PINCHING.** (See drawings and photos on page 31.) When the plant grows to about 12 inches tall (Drawing No. 1), it is bent from about the middle and its end tied to a fairly long No. 12 size wire and is bent at an angle of 45 degrees (as in Fig. 2). The supporting wire should point north and the leader must be tied to it with raffia (see Figs. 2 and 3) at least once a week. All laterals and sub-laterals should be pinched at every second or third leaf joints as in Fig. 2, and this operation should be repeated continuously until around September 15. As the plant increases in width, an additional support is necessary to prevent toppling over on one side (see Fig. 4). The main leader is lowered gradually so that it will be in horizontal position around September 15, as in Fig. B. When buds begin to form, the main stem starts bending vertically from its horizontal position, with the surface of the plant facing south, as in picture No. 5.

When buds begin to show color, the pot is placed on a high position so that the sprays will not touch the ground and bent to its final vertical position (as in Fig. C. Also see illustration of "Jane Harte").



# Cultural Suggestions for Cascades



Tying and Pinching (see drawings and photos)

## Cultural Suggestions – Commercial & Exhibition Types

**SOIL PREPARATION.** Chrysanthemum beds should be prepared early by spading into the ground a liberal amount of decayed manure. The ground should be spaded to a depth of 12 to 15 inches. Peat is used if ground is either too sandy or too heavy.

**FERTILIZING.** About three applications of complete fertilizers, such as "Gaviota," "Vigoro," etc., should be made at two to four pounds per 100 square feet. Feedings should be avoided during periods of extreme heat or when soil is too dry. The soil is watered before the application if necessary. The last application is made when buds are large enough to make the final selection (Figure 2 above).

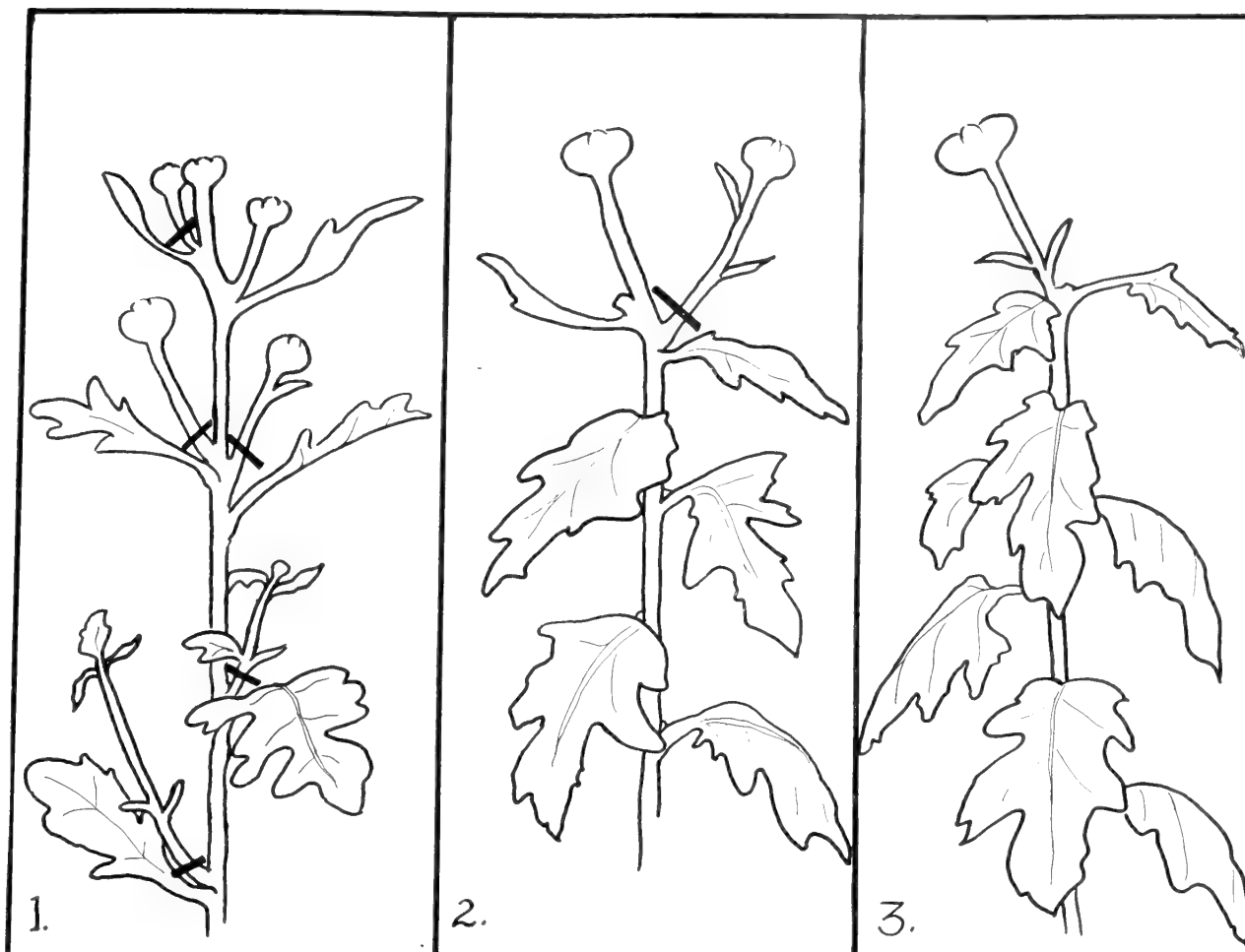
**STOPPING.** When the plant is established in a garden and has developed two or three pairs of matured leaves, the center or the main growth is nipped off. From then on, the plant should be restricted to form about three or four shoots in order to obtain large blooms. For a late blooming variety, the main growths of these new shoots may be nipped off again around July 15 in order to regulate the height.

For large pompons and anemones, six to eight stems are allowed to grow to a plant. Other cultures for these are similar with those of large flowering varieties.

**DISBUDDING.** (See drawings above.) Immediately after new shoots of your selection begin to send out new laterals, they should be removed very close at the base (see lowest lateral of Figure 1) at regular intervals of about once a week. This procedure should be adhered to religiously in order to obtain successful results.

**SELECTION OF BUDS.** The first bud produced by the plant is called the "Crown bud" and is distinguished by being surrounded with leaves. The "Terminal bud" appears later in clusters surrounded with flower buds.

The procedure of "taking buds" depends very largely on the variety, and no fast rules can be given, but we recommend retention of terminal buds for majority of early flowering Commercial and Exhibition types, particularly here in Southern California. The safest rule, we find, is not to save buds formed before August 20 in our district. Retention of early formed "Crown buds" often results with large percentage of crippled flowers, especially when a large amount of nitrogen fertilizer remains unconsumed by the plant. Furthermore, since the hottest period of the year usually comes during the month of September and early October, the hazards of burnt petals and fading of colors are too frequently experienced when early crown buds are retained in our district.



The final selection of a bud should not be made too hastily nor when it is very small (see Figure 1). It is also advisable to allow an alternate bud (see Figure 2) to remain until one is certain of all defects when final selection is made (Figure 3).

#### CONTROL MEASURES FOR INSECTS AND DISEASES. INSECTS.

1. Leaf tyer. A brown moth emerges at night and lays white eggs which hatch into white caterpillars, but later change into a green color. Control: DDT.
2. Aphids, leaf miner, and red spider. Controlled with sprays such as "Vaportone," "Parathion," etc.
3. Thrips. Control: DDT.
4. Mealy bugs. Control: White oil emulsion sprays.

5. Tarnished plant bug. A yellowish brown bug with long proboscis used to puncture young shoots. Control: Hand-picking or DDT.
6. Grasshoppers. Control: Dusting with arsenical compounds.
7. Cutworms. Control: Bait.
8. Slugs, snails, sowbugs and milipeds. Control: Baits.

#### DISEASES.

1. Rust. Indicated by blisters and exposes dark brown powder—a mass of spores. Infested leaves should be removed and burned. Control: Fomate.
2. Mildew. It has white powdery appearance. Control: Sulphur dust or sprays.

**STAKING.** Individual stem should be supported with stake or by other means to hold the blooms upright.

## Culture for Bush or Garden Varieties

Under this heading come small Pompons, small Anemones, Singles and Hardy varieties. These varieties are most effective in the garden when grown low with as much growth as possible.

This effect is easily obtained by pinching off centers of all laterals three or four times up to 1st or 10th of August. This method will prevent plants from toppling too freely.

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Halloween	35	Mrs. Gwen Cheesewright	16	Seafoam	32	Yellow Seagull	32
Harvard	17	Mrs. Harley A. Sill	25, 27	Seagull	32	Yellow Sincerity	33
Harvest Moon	25	Mrs. Irene Sheffield	25, 27	Seijin	12	Yellow Spoon	16
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# Giant Flower Carnation

## Field-Grown . . . Hardy Rugged Plants

### Cultural Directions for Carnations

Easy to Grow if These Simple Rules Are Followed

**PREPARATION OF SOIL.** The Carnation will tolerate wide ranges of soil condition and acidity but it must have good drainage. The pH of the soil is best between 6.0 and 7.0. The plant requires plenty of organic matter, so liberal amounts of well rotted manure are spaded into the soil. In addition to this, about 5 lbs. of either bonemeal or superphosphate is required per 100 square feet of ground. If an extreme acid condition is encountered, a light sprinkling of agricultural lime or wood ashes would be beneficial.

**TREATMENT OF PURCHASED PLANTS.** Our plants come in "Vita-bands" as in the illustration. When they are received, the bands are removed and set out with the soil around the roots intact. Carnations like full sunlight and young plants should be spaced about 15 inches apart. They should be watered thoroughly after planting, but no further watering is required until the surface shows signs of drying.

**STOPPING.** Plants are first topped when they are three or four inches high. The object of this topping is to encourage young plants to become bushy around the bases. The best method is to pull out the center with the right hand while gripping the plant firmly with the left. More stems will arise by this procedure than when the top is merely broken off. Centers of new growths are further topped occasionally until a bushy plant is assured.

**STAKING.** Almost simultaneously with the last topping, the plants should be provided with some sort of support. Individual wire loop supports are most commonly used.

**DISBUDDING.** When buds become sufficiently large, all side buds are removed, thus leaving a single bud to a stem.

**WATERING.** Very wet or very dry soil conditions are both detrimental to support a vigorous, healthy growth of Carnations. Although in Winter they will stand being kept fairly dry much better than on the wet side.

**FEEDING.** Since the Carnation is an ever-blooming flower, feeding is a year around procedure after its final topping. Nitrogen stimulates stem and leaf growth; phosphoric acid and potash build up sturdy, firm growth of plants with large flowers, good substance, and good color. For this reason, application of complete fertilizers is recommended at the rate of between 2 to 4 pounds per 100 square feet at every two months intervals.



CARNATION PLANT IN "VITA-BAND"

#### DISEASE CONTROL.

1. Rust. Easily controlled with Fermate, Bordeaux mixture, or Botano dust.
2. Septoria leafspot causes purple blotches on the leaves. Same control as for rust.
3. Yellows and Mosaics are virus diseases. Since aphids spread viruses, they should be controlled.

#### INSECT CONTROL.

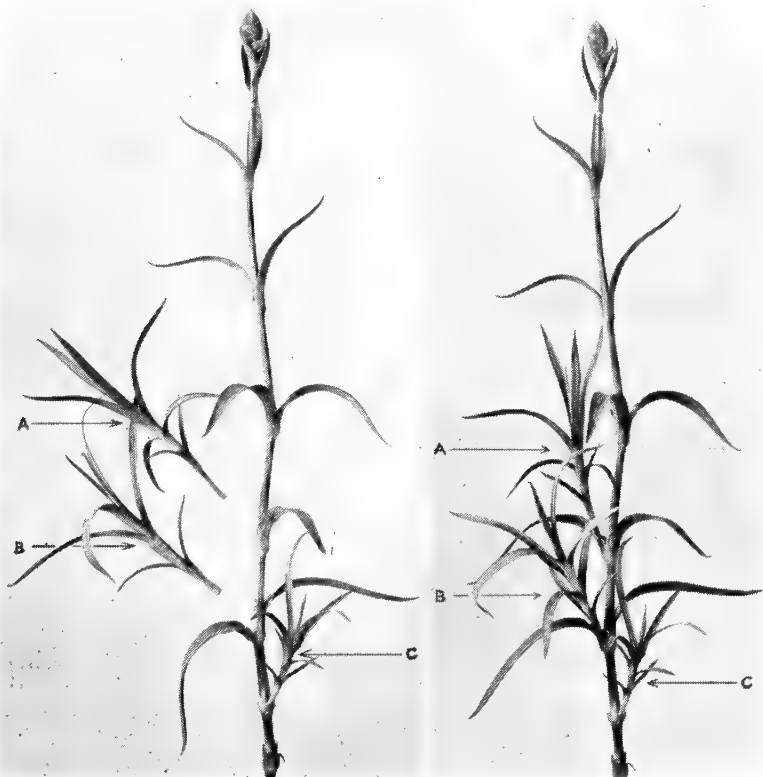
1. Aphids and Red Spider. Controlled with sprays such as "Vapotone," etc.
2. Thrips. Causes white spots on flowers and may cause tips of shoots to stick together. Controlled with DDT dust or sprays.

### Propagation of New Plants

In order to grow Carnations successfully, a person has to start propagating new plants from cuttings some time or another. Best cuttings are produced about midway on a flowering stem, as indicated (A and B) in the illustration. The length of the cutting should be about three to four inches long. The growth (C) is allowed to grow into a flowering stem.

The procedure of taking slips or cuttings is rather unique in Carnations. The ones shown in the illustration are called "heel" cuttings because the shoots are severed by the "heel" or node of a main stem. The cutting, and leaf surround it, are held firmly and severed by outward-downward pull (see first part in the illustration).

**TRIMMING OF FOLIAGE.** According to pathologists, the plant food is manufactured in the leaves and trimming reduces the area in which food is manufactured. Also, essential plant elements must be used to heal any wound. Furthermore, all wounds will become a source of infection; therefore, only leaves of the cuttings coming in contact with the rooting media are removed.



**ROOTING AIDS.** Use Rootone or Hormodin No. 1 according to directions. Do not allow cuttings to become wilted. Submerging in water is one way of refreshing wilted cuttings.

**ROOTING MEDIA.** Use either clean medium coarse sand or "Vermiculite." The latter is better.

**CARE OF CUTTINGS.** Take an ordinary plant flat, fill it with "Vermiculite," and level it off. Then soak it with water thoroughly and pound the surface firmly with a 2x3 piece of board. Make a straight groove about one inch deep with a small mason's trowel or flat blade of some sort. Then place the cuttings about one-half inch apart. When a row is completed, tap the base of the cuttings firmly again with the board. Then another groove is made about three inches away. Thus, an ordinary flat holds about 200 cuttings.

They are thoroughly watered overhead when finished and then shaded for a while from direct sunlight, but not too heavily. Remember always that light is necessary for normal functions of a plant. Heavy draft is also detrimental. It dries off the foliage too much.

It normally takes about four weeks to root a Carnation cutting when the temperature is right. When roots are about one-half to one inch long, the plants need transplanting. Young cuttings are transplanted in "Vita Bands," using regular sandy loam as the potting soil. No soil mixture is required when "Vita Bands" are employed, as these bands are chemically treated to nourish young plants. In about six to eight weeks, the plant is ready to be set out.

## Giant Ever Blooming Carnations

Dozen Rate Quoted at 10 Times the Single Price

Established Plants in "Vita-bands"

\* See Illustration of Banded Plants on Page 35.



CONNECTICUT

### LIGHT, MEDIUM AND SALMON PINK VARIETIES

**CHEERIO.** A clear, light pink variety—noted for its abundant production. 30 cents each.

**C. W. PINK.** Beautiful medium pink. Large full centered flower. 40 cents each.

**DEEP SALMON VIRGINIA.** A deep salmon sport of "Virginia" sometimes referred to as "Orange Virginia." Has lovely fragrance, stiff stems, and non-splitting calyces. 50 cents each.

**DONNA LEE.** Lovely deep salmon sport of "Pink Spectrum Supreme." Full centered, sound calyx and strong stem. 40 cents each.

**IDA.** Another salmon pink of outstanding variety. Flowers are large and full centered. Slightly fringed and does not split with us. 30 cents each.

**MARCHIONESS OF HEADFORT.** A dazzling medium pink with light undertone forming a white edge around the flower. Outstanding garden variety. 40 cents each.

**THELMA.** This lovely salmon pink variety has broad petals which are smooth around the edge. Sound Calyx. 30 cents each.

### DEEP AND ROSE PINK VARIETIES

**CECLIA.** Probably this is a sport of "Thelma." Deeper salmon pink than the latter. 30 cents each.

**ROSE QUEEN.** Large full centered rose pink variety with non-splitting calyx. Produces quality flowers throughout the year. 30 cents each.

**JOHN BRIRY.** A high quality flower in deep pink. Large firm calyx and long strong stems. 30 cents each.

### LAVENDER AND ORCHID

**ALWOOD S HELIOTROPE.** A large flower in heliotrope colors. Truly outstanding. \$1.50 each.

**ASHES OF ROSES.** Another grayish lavender with undertone of rose pink of varying intensity. 50 cents each.

**CATTLEA MAUVE.** A sweet scented full centered flower of orchid mauve. At times the bloom is speckled with tiny dots and penciling of purple. \$1.00 each.

**DORIS ALWOOD.** A smooth edge type flower in color combinations of medium pink, lavender, and violet mauve. Very good producer of medium sized flowers. 75 cents each.

**DUCHESS OF GLOUCESTER.** A full centered attractive flower in heather pink, a shade lighter than orchid pink. Healthy grower. 50 cents each.

**JOHN BAYGULOW.** A smooth edge type in combinations of rose and violet mauve. A perfectly formed flower of good size and firm calyx though not a heavy producer. Recommended for its high quality. \$1.50 each.

**LONDON FOG.** A medium flower in heliotrope colors. Red splashes may appear during the summer months. 30 cents each.

**LOUISE.** A clear lavender pink full centered flower. Has firm non-splitting calyx. 50 cents each.

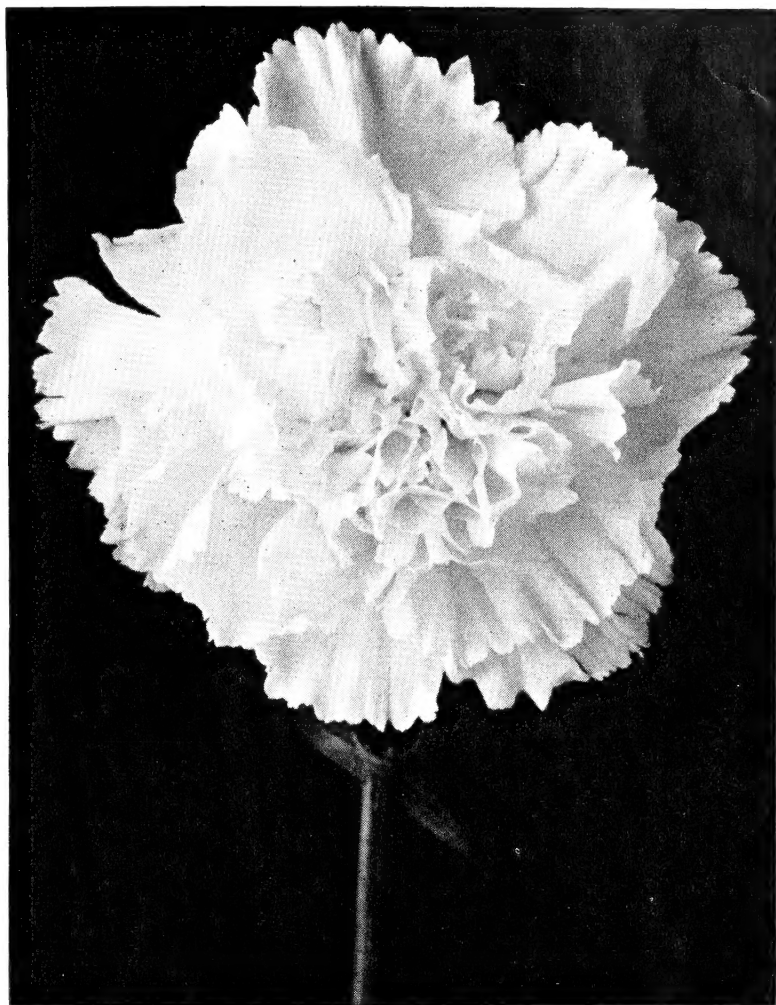
**ORCHID BEAUTY (LULU).** A deep orchid lavender with lighter edging. Firm calyces and strong stems. 50 cents each.

### RED, CRIMSON, AND PURPLE VARIETIES

**BARBARA FARR.** A scarlet red flower. Fully double and fringed. Has extremely healthy growing habit. 30 cents each.

**CALIFORNIA.** A good garden variety in bright purple. Healthy grower producing quality flowers at all times. 40 cents each.

**CLAYTON'S CRIMSON.** A bright crimson flower of medium size which is also a splendid grower. 30 cents each.



**NORTHLAND**

**COLONEL WILLIAM SELIG (MARY STUART X Memory).** Sunnyslope's new introduction. Deepest shade of crimson, almost maroon black. Formation-replica of "Northland." Habit of growth is splendid and its wide bladed foliage is healthy. **\$2.00 each.**

**CRIMSON KING No. 14.** Rich maroon crimson with slight orchid edge at times. An attractive variety for the garden. **40 cents each.**

**C. W. WELD.** An outstanding cut flower variety in crimson red. Some splitting occurs though not to a serious degree. **30 cents each.**

**VICTORY RED.** Sport of patented parent, "King Cardinal." Noted for its dazzling scarlet red. **40 cents each.**

## WHITE VARIETIES

**ARUNDEL.** One of the best pure white variety. Flower is large and superbly fragrant. **40 cents each.**

**GRASSEL'S WHITE.** A medium sized pure white variety noted for its great production of quality flowers. **40 cents each.**

**NORTHLAND.** Outstanding white. Large, fully double, and beautifully scented. Growth is very healthy. **40 cents each.**

**OLIVETTE.** A full centered, symmetrically shaped flower, with spicy fragrance. A heavy producer. **30 cents each.**

**WHITE BRIRY.** This is a white sport of "John Briry." Like its parent, produces high quality market flowers with long stems. **30 cents each.**

## YELLOWS AND VARIEGATED

**COLORADO.** Yellow ground with purple penciling and of same color marking completely around the edge of each petal. **30 cents each.**

**GOLDEN WONDER.** Clear yellow ground with faint pink pencil stripes. Large flowers with sound calyx. **30 cents each.**

**MILLER'S YELLOW.** Finest in the pure yellows. A full centered flower with firm calyx and strong stem. **40 cents each.**

**NAPIERS CHROME.** An extremely fascinating color of maize yellow—truly outstanding variety, particularly for connoisseurs. **\$1.00 each.**

**NAPIERS YELLOW.** A clear lemon yellow throughout. Full centered flower with fringed petals. **50 cents each.**

**YELLOW GEORGINA.** A clear yellow ground with red stripes. A sport of "Georgina." Very firm calyces. **50 cents each.**

## NOVELTY AND VARIEGATED

**ANA.** Large full centered flower. Apricot ground with lively deep rose marking. **75 cents each.**

**BARBARA BRIGHAM.** A sport of "Golden Wonder." Pink penciling on orange ground. Large and outstanding. **30 cents each.**

**BETSY.** A faint pink ground, almost white, with maroon marking and edge. Very productive. **30 cents each.**

**BOURNEMOUTH ECHO.** Apricot ground with carmine stripes. A good producer of medium sized flowers. **40 cents each.**

**CIRRUS CLOUD.** Light pink ground with irregular size marking resulting in its name. Attractive both in the garden and as cut flower. **40 cents each.**

**CONNECTICUT.** Pure white ground with purple marking and stripes. A variety with exceptionally strong growing habit. **30 cents each.** (See illustration on page 40.)

**DAIRY MAID IMPROVED.** White ground with stripes and penciling of deep pink. Heavy producer of quality flowers. **40 cents each.**

**DANCING GIRL.** Apricot ground with red marking and splashes as in the illustration. Non-splitting calyx. **40 cents each.**

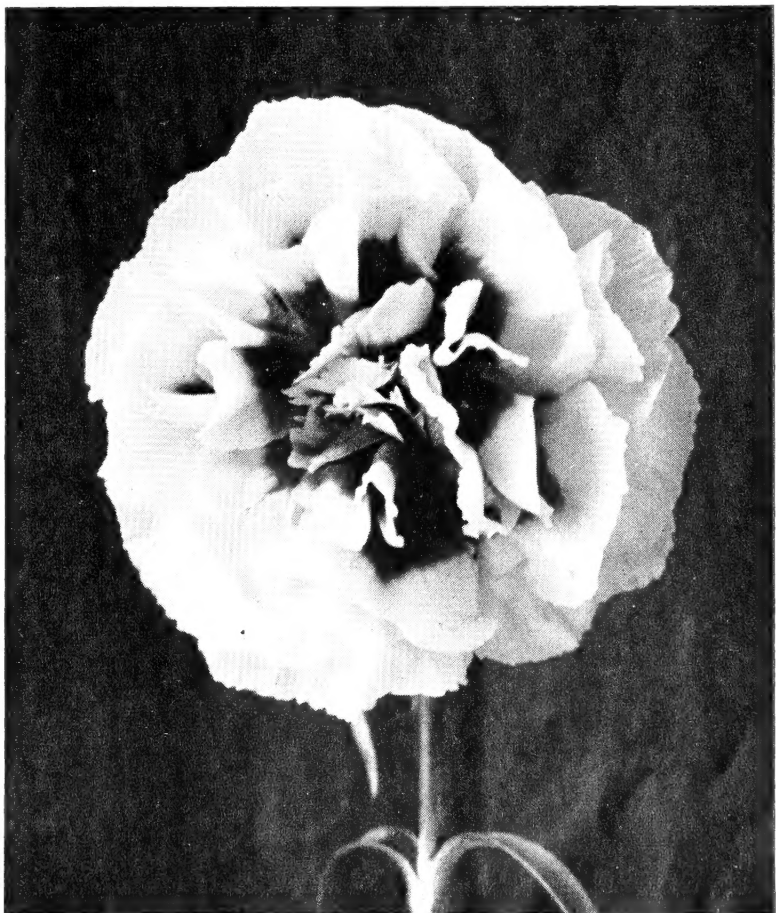
**DIMITY.** Soft pink, almost white ground deep claret marking and heavy stripes. Very popular variety for years. **40 cents each.**

**FRECKLES VIRGINIA.** Another valuable addition to the Virginia Sports. Salmon pink ground with minute deep pink penciling. **50 cents each.**

**GEORGINA.** White ground with red pencil stripes—a variety noted for its non-splitting calyces. **30 cents each.**

**MISSOURI.** Pure white ground with intense marking and stripes of deep claret much like "Dimity." **40 cents each.**

**ORANGE GEORGINA.** Another outstanding sport of "Georgina"; orange ground with deep pink marking and stripes. A healthy growing, splendid addition. **40 cents each.**



**NANCY TASHIMA**



**NANCY TASHIMA.** The color is a combination of varying intensity of carmine red and white as in the illustration. In some flowers the carmine becomes so dominant that the white appears only as splashes. **50 cents each.**

**NEW YORK.** A peach ground overlaid with coral pink splashes, speckles, and pencil stripes. A unique and charming variety. **30 cents each.**

**PEARL HARBOR.** A yellow ground heavily penciled with crimson—so heavily penciled that the ground color is almost receding along the edge. **50 cents each.**

**PELARGONIUM.** Rich crimson maroon with orchid edges. A perfect replica of a "Martha Washington Geranium" flower, hence its name. Wonderful fragrant variety. **50 cents each.**

**PENNSYLVANIA.** Extra large flower of orange yellow ground with red marking and pencil stripes. **50 cents each.**

**PICOTEE.** A large full centered flower of white ground with deep claret marking completely around the edge of each petal. A variety one does not miss observing at our show. **75 cents each.**

**SCARLET KING.** A sport of "Pelargonium," the color is not actually scarlet, but rather a clear carmine with white edges.

**TOM GABRIEL.** A medium sized flower of unusual color combination. According to its originator, it is "Cameo pink overlaid with spinal pink and with magenta stripes and markings." Rarely produces flowers of identical coloring but are all beautiful. **\$1.50 each.**

**UNIQUE.** Truly a unique flower—crushed raspberry pink with slight crimson marking.

WE HAVE ON DISPLAY AT OUR GARDENS THROUGHOUT THE ENTIRE YEAR BLOOMS OF THE ABOVE OUTSTANDING VARIETIES AS WELL AS 100 OTHER CARNATIONS WHICH YOU ARE CORDIALLY INVITED TO SEE. INCLUDED IN OUR DISPLAY ARE MANY OF SUNNYSLOPE'S NEW EXCLUSIVE INTRODUCTIONS.

## Bird "VITA-BANDS"

Size: 2" x 2" x 3"

Nutrient-treated for Healthier Plants

Ideal for Starting Carnation and Mum Rooted Cuttings

Price: \$1.50 per 100

Shipping Weight: 5 Pounds per 100

## CARNATION Collection Offer

Our Selection of 12 Separate Varieties

INDIVIDUALLY LABELED

Value \$4.00 or More

Collection Offer, \$2.00

At Our Gardens

Mail Order 50 Cents Extra for Packing

Shipping Weight 9 Lbs.

(See Postage Rate Schedule on Page 3)

## Annual Chrysanthemum and Carnation Show

The picture below is a partial view of the Chrysanthemum show we hold each year during October, November, and December, which you are cordially invited to attend.

Our gardens will be open throughout the year for Carnation displays.



We carry over 1,000 varieties of Chrysanthemums and over 100 varieties of Carnations.



Top Three (from Left to Right):  
**COLORADO.** Yellow variegated.  
**JOHN BRIRY.** Dark pink.  
**GEORGINA.** White variegated.

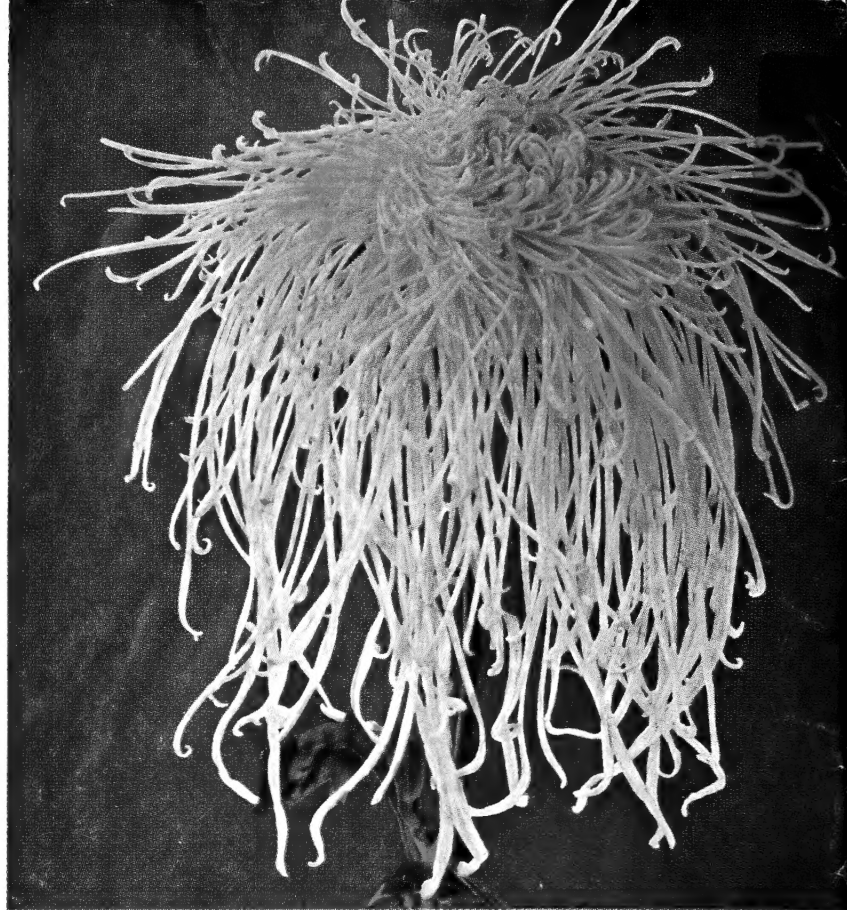
Center Three (from Left to Right):  
**VICTORY RED.** Scarlet.  
**PELARGONIUM.** Maroon with white edges.  
**LOUISE.** Lavender.

Bottom (Center):  
**DANCING GIRL.** Gold and red variegated.





ORANGE BOWL



EMERALD ISLE

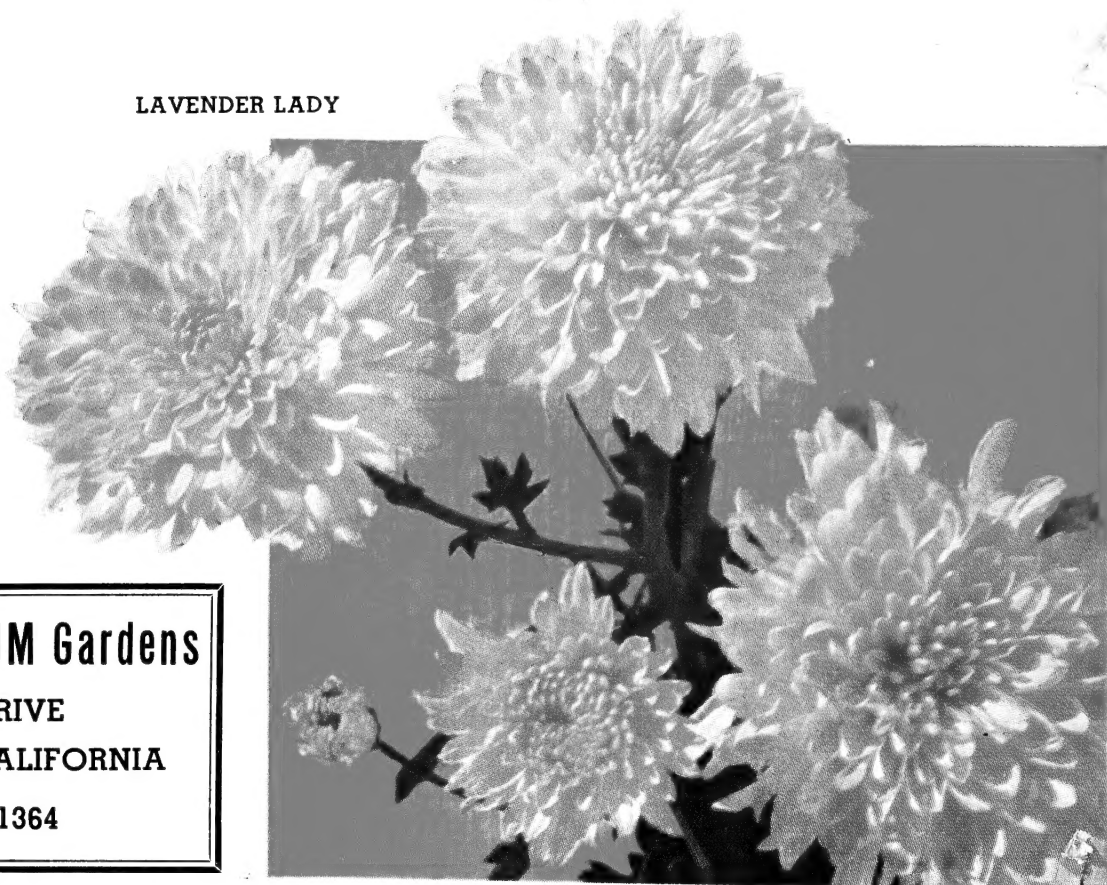
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